

Lucent Technologies
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DACS II View
Release 2.0
User's Reference Guide

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Issue 1
March 1999

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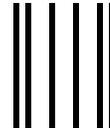
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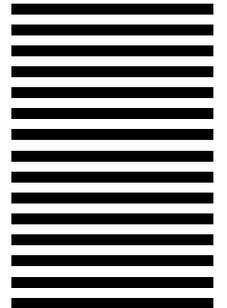
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Introduction

Purpose DACS II View provides DACS provisioning and monitoring capabilities through a graphical user interface. This guide will help you to install and use DACS II View, Release 2.0.

Audience This guide is for users familiar with Windows applications who have a working knowledge of DACS operations and maintenance.

What's New in this Release This release of DACS II View has these new features:

- Supports DACS II Release 8.2.1 and DACS II ISX Release 3.1.2
- Supports Hybrid DS3U provisioning
- Performance Monitoring capability
- System Administration capability

How To Use This Guide

This guide includes:

Chapter 1: About this Guide describes the content and format of this book.

Chapter 2: System Description describes DACS II View, the system requirements, and the DACS II View operating modes.

Chapter 3: Start Up describes how to install and start DACS II View, and how to connect to a DACS.

Chapter 4: Provisioning describes the Provisioning option of DACS II View.

Chapter 5: Cross-connections and Disconnections contains the procedures for two-point and multi-point cross-connections.

Chapter 6: Test Access provides procedures to establish test ports, test groups, and test connections.

Chapter 7: Performance Monitoring describes how to change performance monitoring parameters on the DACS and how to query for performance monitoring statistics.

Chapter 8: Administration provides procedures for DACS link administration and DACS user administration. This chapter also covers DACS II View administration, and how to change the DACS II View password.

Chapter 9: Alarms describes features of the DACS II View Alarm Window.

Chapter 10: Command Line Cut-Through describes how to access the DACS command line interface.

Chapter 11: Troubleshooting provides solutions to common problems.

Chapter 12: Command Reference lists the DACS commands that DACS II View can execute from each DACS II View window.

Index lists keywords and page numbers for easy reference.

Conventions

This guide uses a few typographical conventions:

Windows menu options are shown separated by commas. For example, choose Start, Run.

Buttons that appear on the screen and keys that appear on the keyboard are shown in **bold**. For example, click **Connect** or press **Enter**.

Throughout this guide, these terms are used:

- *DACS* is used to refer to all of the supported products: DACS II ISX, DACS II Capacity Expansion Frame, and the DACS II Enclosed Capacity Expansion Frame.
- *DACS II (E)CEF* and *DACS II* are used to refer to both the DACS II Capacity Expansion Frame and DACS II Enclosed Capacity Expansion Frame.

Throughout this guide, most screen samples are for DACS II (E)CEF. Similar screens appear for DACS II ISX.

Related Documents

For complete information on DACS functions and commands, refer to the DACS II and DACS II ISX documents. These documents are issued to support each software release.

Title	Document Number
<i>DACS II Operations and Maintenance, Release 8.2.1, PDS</i>	365-353-201
<i>DACS II Commands and Messages, Release 8.2.1, PDS</i>	365-353-202
<i>DACS II Quick Reference Guide, Release 8.2.1, PDS</i>	365-353-203
<i>DACS II ISX Operations and Maintenance, Release 3.1.2, PDS</i>	365-359-100
<i>DACS II ISX Commands and Messages, Release 3.1.2, PDS</i>	365-359-101
<i>DACS II ISX Quick Reference Guide, Release 3.1.2, PDS</i>	365-359-102
<i>DACS II ISX, Release 3.0, Low Speed Interface Unit Reference Guide</i>	365-359-078

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Overview

Description

DACS II View enables you to manage and monitor these DACS products:

- DACS II Capacity Expansion Frame
- DACS II Enclosed Capacity Expansion Frame
- DACS II ISX

DACS II View provides a graphical user interface with point-and-click operation, cross-connect diagrams, and representational views of the DACS II and DACS II ISX, depicting the shelves, units, and circuit packs.

Based on the user's selections, DACS II View automatically generates DACS commands.

Functions Supported

DACS II View provides these functions:

- DACS II (E)CEF provisioning for units, Network Processing Circuits (NPCs), and common equipment, including Enhanced Cross-Connect Networks (ECCNs), Timing Link Interfaces (TLIs), and the Master Controller

- DACS II ISX provisioning for Network Processing Modules (NPMs), NPCs, Low Speed Interface Units (LSIUs), and common equipment, including Synchronizer Cross-Connects (SXC), TLIs, Timing References (TREFs), and the Master Controller
 - Cross-connect provisioning
 - Test access
 - Performance monitoring
 - Administration
 - Alarm monitoring
 - Capability to access DACS command line
 - History log of commands
-

Uses

DACS II View can be used as:

- a tool to initially configure a DACS II ISX or DACS II (E)CEF
 - a portable troubleshooting tool
 - a Central Office Craft Interface Terminal
 - a Network Management Center (NMC) application
-

Limitations

DACS II View is designed to meet the administrative and alarm monitoring needs of small DACS networks. With this in mind, the system accommodates:

- Connection to one DACS at a time. This can be either a serial or modem connection.
- Only one user can run DACS II View at a time. It is not designed for multiple user sessions.
- Live connection to DACS only. There is no local database maintained on the PC that mirrors the DACS.
- Data is retrieved from the DACS when you press **Query**. When you disconnect or exit DACS II View, all information associated with the last connection is cleared from the screens.
- All user actions are executed immediately. Tasks cannot be scheduled.
- SNIDER protocol only.
- Program Document Standards (PDS) language only.
- DACS II View does not provide DSP support.
- DACS II View does not support SLC[®] provisioning.

Supported Releases

DACS II View supports:

- DACS II configured as a Capacity Expansion Frame (E)CEF, running Release 7.x or higher
 - DACS II ISX Release 2.0, and Release 3.x with or without the Low Speed Interface Unit (LSIU)
-

Operating Modes

DACS II View has two modes: **Alarm Mode** and **Active Mode**.

In **Alarm Mode**, DACS II View acts as an alarm monitor only. Alarms are displayed as they occur and are added to the list in the Alarm Window. This mode is useful when you want to monitor the DACS but will not be responding to alarms immediately, such as during lunch and after hours. In Alarm Mode, you cannot access any other functions of DACS II View.

In **Active Mode**, DACS II View acts as an alarm monitor and a vehicle for provisioning, administration, test access, performance monitoring and cross-connect actions. In addition, you can communicate with the DACS via the command line. If DACS II View is in Active Mode and left idle, the connection is automatically switched to Alarm Mode. You can set the number of minutes of idle time or use the default of 10 minutes. See Chapter 8 for details.

You can switch freely between modes while still maintaining a connection. Each time you switch to Active Mode, you are prompted for the DACS II View password.

Establishing Alarm Mode or Active Mode

Figure 2-1 provides a quick overview of the procedure for accessing Alarm Mode or Active Mode. Step-by-step procedures are included in Chapter 3, "Start Up."

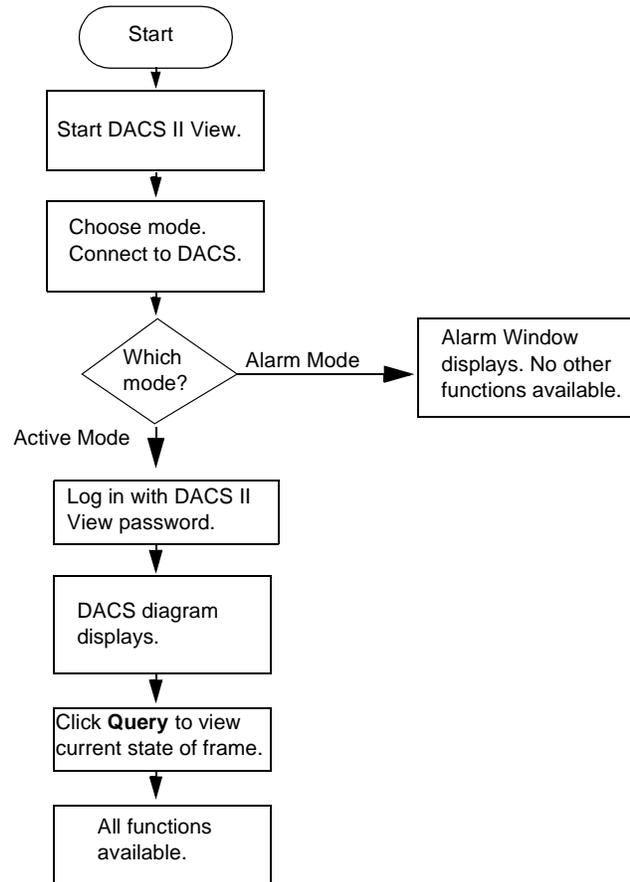


Figure 2-1. Flow Diagram for Accessing Alarm Mode and Active Mode

Overview

This section describes how to initially set up your system, log in, and connect to a DACS through DACS II View.

When you initially set up your system, use the following procedures in sequence:

- “Provisioning the DACS Administration Link”
The administration link on the DACS must be provisioned correctly to establish proper communication with DACS II View.
 - “Making the Physical Connection to the DACS II” or “Making the Physical Connection to the DACS II ISX”
The physical connection to the DACS must be in place before using the DACS II View to connect to a DACS. There are separate procedures for connecting a DACS II and connecting a DACS II ISX.
 - “Installing DACS II View”
-

Provisioning the DACS Administration Link

Description

The administration link on the DACS must be provisioned correctly to establish proper communication with the DACS II View. The proper settings for the administration link are 9600 Baud, Enq/Ack Disabled, Xon/Xoff Disabled, Language PDS, NPC Addressing Extended or Hierarchical, Input Screening Level High, and Restricted Maintenance On.

The following procedure explains how to establish a connection to the DACS utilizing the DACS' administration port located on the front status panel of the system. This procedure is used to make a direct connection with a personal computer to the DACS. However, the user could use any Snider Link (Link 1-4) on the DACS system to establish the connection. If this is the case, simply replace the link number in the following commands with the appropriate link number.

Procedure

To provision the administrative link on the DACS:

1. Acquire restricted maintenance privileges by logging into the DACS as the frame administrator using the craft terminal that is connected locally to the DACS.

**NOTE:**

Since the DACS you are connected to may be provisioned to communicate in either the PDS or MML language, all commands in this procedure are presented in both languages for your convenience.

Input Command:

```
LOGIN::USER DAX! (PDS)
```

```
LGN-USER::::DAX; (MML)
```

2. The system will then prompt you for the PASSWORD. Enter the following PASSWORD and a carriage return:

Input Command:

```
HELLO000
```

**NOTE:**

This is the default password for user DAX, it is possible that the password has been changed. The user must obtain the proper password to gain access to the DACS. The default password is

"HELLO" with three zeroes at the end. This password is not echoed back on the terminal screen.

3. Remember to verify that complete messages are received in response to all DACS commands. You should receive output similar to the following:

Output Response:

```
LOGIN USER DAX COMPL (PDS)
                                or
LGN-USER::::DAX COMPLD (MML)
```

```
WARNING MESSAGE
THIS SYSTEM IS RESTRICTED TO AUTHORIZED USERS FOR
BUSINESS PURPOSES. UNAUTHORIZED ACCESS IS A VIOLATION
OF THE LAW. THIS SERVICE MAY BE MONITORED FOR
ADMINISTRATIVE AND SECURITY REASONS. BY PROCEEDING,
YOU CONSENT TO THIS MONITORING.
```

4. Enter the following DACS II or DACS II ISX command to change the message language to PDS, set the NPC Addressing to Extended (see Note), set the Input Screening Level to High, and enable Restricted Maintenance privileges for administrative link 1:

■ **For DACS II**

Input Command:

```
ADD::LINK 1,LANG P,NPCAD E,LEV(1,1,1,1,1,1),RMON!
(PDS)
SET-PRVG-TERM::::1:LANG-P:NPCAD-E:\ (MML)
LEV-1&-1&-1&-1&-1&-1:RMON::;
```



NOTE:

Depending on how the DACS II has been configured, a DACS II frame supports hierarchical (**H**), 3-digit extended (**E**), or 4-digit extended (**X**) NPC Addressing. If the command above is denied, replace the **E** option for NPCAD with an **X** or **H**.

Output Response:

```
M 00:03:45 00,00 1 ADD LINK 1 2 LN MSG: (PDS)
LANG P NPCAD E LEV(1,1,1,1,1,1) RMON COMPL
```

or

```
00:03:45 00,00 LINK-1 (MML)
```

```
M SET PRVG TERM::::1:LANG-P:NPCAD-E:\
LEV-1&-1&-1&-1&-1&-1:RMON:: COMPLD
```

■ For DACS II ISX

Input Command:

```
ADD::LINK 1,LANG P,LEV(1,1,1,1,1,1),RMON! (PDS)
SET-PRVG-TERM::::1:LANG-P::\ (MML)
LEV-1&-1&-1&-1&-1&-1:RMON::;
```



NOTE:

DACS II ISX only supports 3-digit NPC addressing, therefore no NPCAD option is required.

Output Response:

```
M 00:03:45 00,00 1 ADD LINK 1 2 LN MSG: (PDS)
LANG P LEV(1,1,1,1,1,1) RMON COMPL
```

or

```
00:03:45 00,00 LINK-1 (MML)
M SET PRVG TERM::::1:LANG-P::\
LEV-1&-1&-1&-1&-1&-1:RMON:: COMPLD
```

5. Enter the following command to change link 1's output screening to capture all output:

Input Command:

```
CHG::LINK 1,SCR 5! (PDS)
SET-PRVG-TERM::::1:SCR-5::; (MML)
```

Output Response:

```
M 00:03:45 00,00 1 CHG LINK 1 2 LN MSG: (PDS)
SCR 5 COMPL
```

or

```
00:03:45 00,00 LINK-1 (MML)
M SET PRVG TERM::::1:SCR-1:: COMPLD
```

- Enter the following command to set link 1's baud rate to 9600, disable Enq/Ack and disable Xon/Xoff:

Input Command:

```
ADD::LINK 1,PTCOL S,BAUD 96,ENQ 0,XON 0! (PDS)
ED-PRMTR-LINK::1::PTCOL-S,BAUD-96,ENQ-0\ (MML)
,XON-0;
```

Output Response:

```
M 00:03:45 00,00 1 ADD LINK 1 PTCOL S BAUD 96\ (PDS)
2 LN MSG:
ENQ 0 XON 0 COMPL
```

or

```
00:03:45 00,00 LINK-1 (MML)
M ED PRMTR LINK::1::PTCOL-S,BAUD-96,\
ENQ-0,XON-0: COMPLD
```



NOTE:

If the craft terminal you are using is connected to link 1 and is not configured for 9600 baud, you will need to set the terminal to 9600 baud to continue.

- To incorporate the new settings you must LOGOFF as the frame administrator.

Input Command:

```
LOGOFF::USER DAX! (PDS)
LGN-USER::::DAX; (MML)
```

- Now, you are ready to make the physical connection to the DACS.

For:	See Section:
DACS II	Making the Physical Connection to a DACS II
DACS II ISX	Making the Physical Connection to a DACS II ISX

Making the Physical Connection to a DACS II

Description

There are three options for making the physical connection to the DACS II:

- Connect a PC to the administration port located on the status panel in the front of the system.
- Connect a PC to one of the four administration ports located in the back of the system.
- Connect a modem to one of the four administration ports located in the back of the system.

This procedure describes how to make a physical connection for a PC to the administration port located on the status panel in the front of the DACS II. Any exceptions to the procedure are noted for the other types of connections.

Procedure

To connect a DACS II to a PC, follow these steps:

1. To utilize the administration port on the front of the DACS II, you must remove anything that is connected to Link 1 on the back of the DACS II. Physically remove any connection from Link 1 now.



NOTE:

If you are not connecting to the front on the DACS II, skip this step.

2. Connect one end of a RS-232 cable to the serial COM port of the PC or to a modem.



NOTE:

If connecting to a modem, ensure that the modem is configured for 9600 baud, 7 start bits, 1 stop bit and even parity.

3. Connect an ED2C646-30 G2, G5, G11, or G15 RS449/RS232 adapter to the opposite end of the RS232 cable.



NOTE:

If connecting to a modem, you must use an ED2C646-30 G1, G4, G10, or G14 RS449/RS232 adapter.

4. Connect the ED2C646 adapter to the administration port located on the status panel in the front of the system.

**NOTE:**

If connecting to one of the four administration ports with a PC or using a modem, connect the RS449/RS232 adapter to the appropriate port on the back of the DACS II.

5. Test the link. Connect to the DACS from your PC, with a terminal emulator program such as Hyperterminal. To access Hyperterminal, from the Windows NT task bar select Start, Programs, Accessories, Hyperterminal.
-

Making the Physical Connection to a DACS II ISX

Description

There are three options for making the physical connection to the DACS II ISX:

- Connect a PC to the administration port located on the status panel in the front of the system.
- Connect a PC to one of the four administration ports located in the back of the system.
- Connect a modem to one of the four administration ports located in the back of the system.

This procedure describes how to make a physical connection for a PC to the administration port located on the status panel in the front of the DACS II ISX. Any exceptions to the procedure are noted for the other types of connections.

Procedure

To connect a DACS II ISX to a PC, follow these steps:

1. To utilize the administration port on the front of the DACS II ISX, you must remove anything that is connected to Link 1 on the back of the DACS II ISX. Physically remove any connection from Link 1 now.



NOTE:

If you are not connecting to the front on the DACS II ISX, skip this step.

2. Connect one end of a RS-232 cable to the serial COM port of the PC or to a modem.



NOTE:

If connecting to a modem, ensure that the modem is configured for 9600 baud, 7 start bits, 1 stop bit and even parity.

3. Connect the opposite end of the RS232 cable to the administration port located on the status panel in the front of the DACS II ISX.



NOTE:

If you are connecting to the back of the DACS II ISX, you will need to attach a null modem adapter to the RS232 cable before connecting to the administration port.

4. Test the link. Connect to the DACS from your PC, with a terminal emulator program such as Hyperterminal. To access Hyperterminal, from the Windows NT task bar select Start, Programs, Accessories, Hyperterminal.
-

Installing DACS II View

Overview Use this procedure to install DACS II View on your PC.

PC Requirements To install DACS II View, you need:

- Pentium®-based PC (desktop or laptop) with Windows® NT 4.0 operating system
- 32 MB of RAM
- Hard disk with at least 10MB of space available
- Mouse or other pointing device
- CD-ROM drive
- One available COM port
- Modem (optional)

Installing from CD-ROM The DACS II View CD-ROM contains the DACS II View software, Release 2.0 and an online version of this user guide.

To install DACS II View on your system:

1. Start Windows NT 4.0.
2. Insert the DACS II View CD into your CD-ROM drive.
3. If the installer window does not appear automatically, click Start, Run from the Window NT task bar.
4. Type:
d:\setup.exe
(where d: is the letter of the drive containing the DACS II View CD).
5. Click **OK**.
6. Follow the on-screen prompts to complete the installation.

When the installation is complete, an icon for DACS II View appears on the desktop.

Starting DACS II View

Overview

This procedure describes how to start DACS II View.

Procedure

To start DACS II View, double-click the DACS II View icon from the desktop. The Title Window displays briefly while the software is initialized, then the Main Window displays. The Main Window is described in the following section.

Main Window

Overview

When you are running DACS II View, the Main Window is always visible. This section describes the parts of the Main Window.

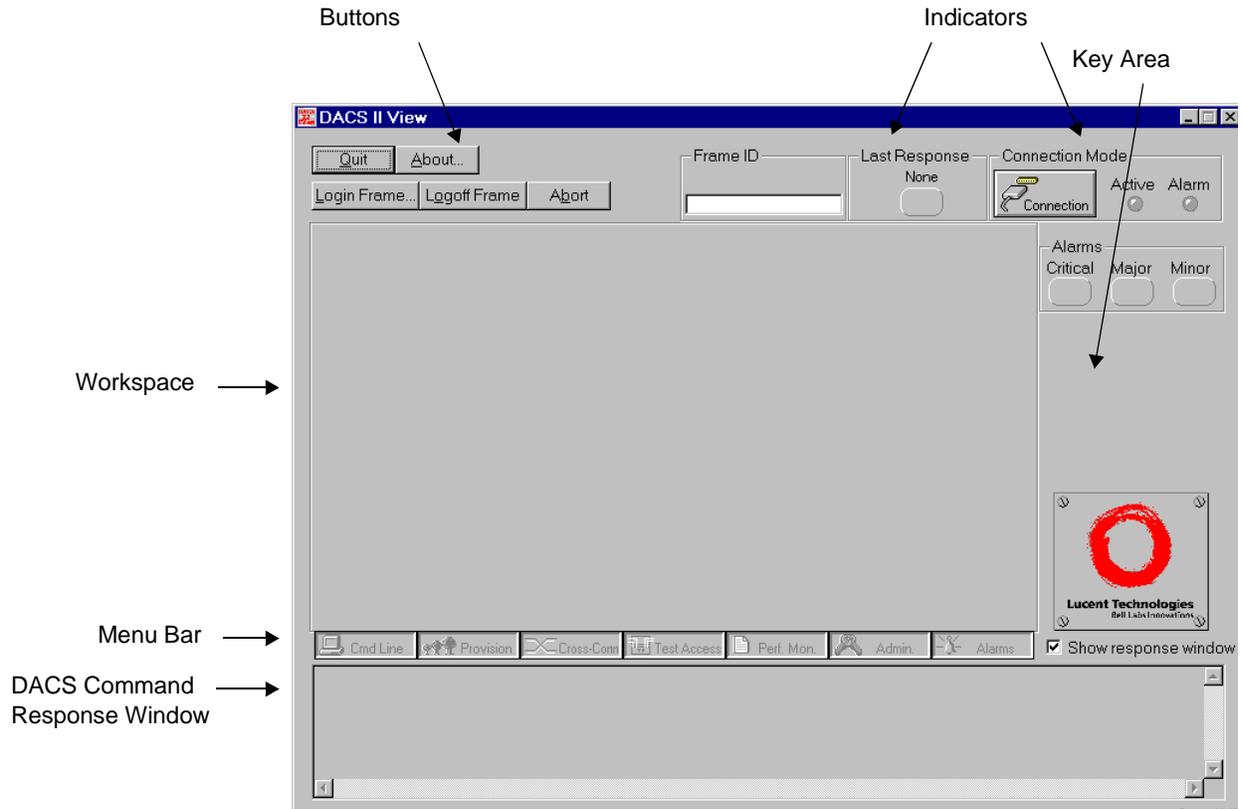


Figure 3-1. Parts of the Main Window

Parts of the Main Window

Each of the parts of the Main Window are described below.

- **Buttons:** The following buttons appear in the top left corner of the Main Window:
 - **About...** displays the software version number and copyright information.
 - **Login Frame...** enables you to log in to the DACS.
 - **Logoff Frame** enables you to log off the DACS.
 - **Quit** exits DACS II View.
 - **Abort** enables you to stop a currently executing command.
- **Indicators:** The top right corner of the Main Window has these indicators:
 - **FRAME ID:** displays the name of the connected DACS.
 - **LAST RESPONSE:** displays the last response from the DACS to a command. There are four possible responses:
 - None: No command has been issued to the DACS.
 - In Progress: A command is currently being executed.
 - Complete: The DACS has successfully completed the last command.
 - Deny: The DACS rejected the last command.
 - **CONNECTION MODE:** This area contains two items:
 - Connection button: Use this button to establish a new connection, disconnect, display connection parameters or choose operating mode.
 - Mode indicator: Indicates the user-selected mode for the connection: Active or Alarm.
 - **ALARM indicators:** These indicators light up when a critical, major, or minor alarm occurs. The indicator stays lit until all alarms with that severity level are cleared. For example, if there are two major alarms, the light will show until both are cleared.
 - Informational alarms are logged in the Alarms Window, however there is no indicator for them in the Main Window.
- **Key Area:** Depending on which workspace is visible, this area may display the hardware status color key, cross-connect diagrams, or test configurations.
- **Workspace:** The center of the Main Window is the area where all other windows appear, including the Provisioning, Cross-Connect, Command Line, Test Access, Performance Monitoring, Administration, and Alarms windows.

- **Menu Bar:** The menu bar appears below the workspace. It lists all of the DACS II View options. The options that appear shadowed are not available.

**NOTE:**

When you revisit menu options, DACS II View displays the last window you visited. For example, Test Access has three windows. If you left Test Access from the second window, when you return to Test Access the second window is redisplayed.

- **Show Response Window:** Check this box to display the DACS Command Response Window. Remove the check to hide the DACS Command Response Window.
 - **DACS Command Response Window:** The bottom of the Main Window displays all responses from the DACS in the PDS command language.
-

Connecting to the DACS

Overview This section describes how to connect to a DACS through DACS II View.

Before you begin The hardware connection to the DACS must be in place and tested before using DACS II View to connect to a DACS. Make sure the following procedures in this chapter have been completed:

- Provisioning the DACS Administration Link
- Making the Physical Connection to the DACS II or Making the Physical Connection to the DACS II ISX
- Installing DACS II View
- Starting DACS II View

Procedure To establish a new connection to a DACS through DACS II View:

1. In the Main Window, click on **Connection**.
The Connection Window displays.

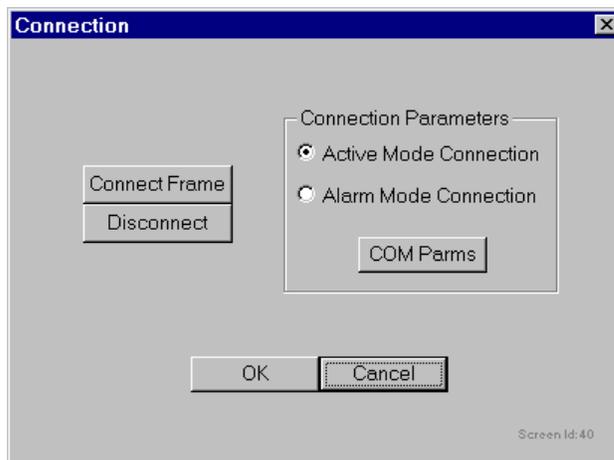


Figure 3-2. Connection Window

2. Select Active Mode Connection or Alarm Mode Connection.

3. Click **COM Params**.

The Com Options Window displays.

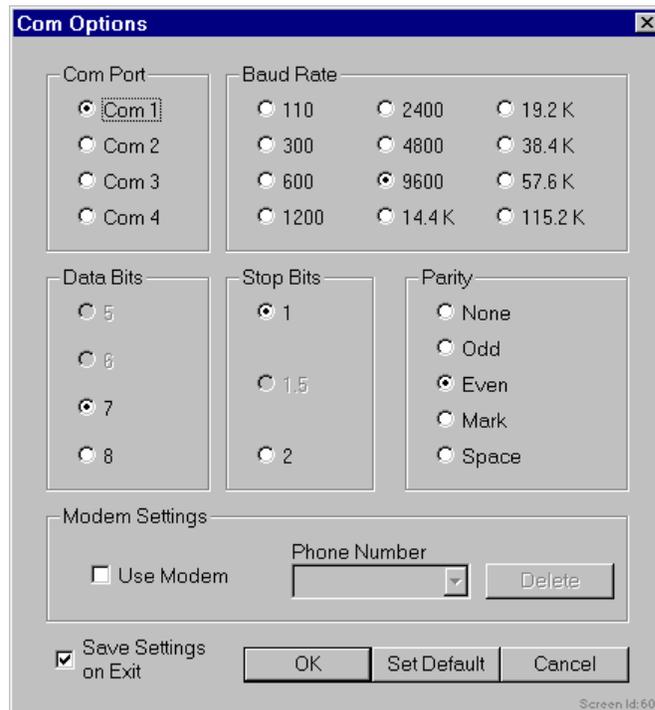


Figure 3-3. Com Options Window

4. Verify or change the settings in the Com Options Window.

The default settings are for a serial connection on COM 1. If you are using a different Com port, select it now.

If you are using a modem, click **Use Modem**. Enter the phone number or select one from the pulldown list. Valid entries are 0-9, dash, and comma.

5. Check **Save Settings on Exit** to store these settings as the new defaults.
6. Click **OK**.
The Connection Window displays again.
7. Click **Connect Frame**.

The Connect Frame Window displays.

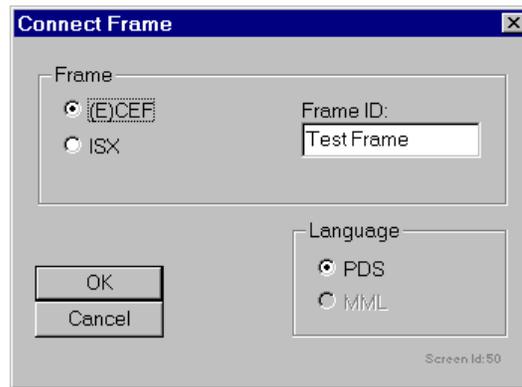


Figure 3-4. Connect Frame Window

8. Identify the frame type, a Frame ID (name for DACS), and language used, then click **OK**.

For an Alarm Mode Connection, the Alarm Window displays. You have completed this procedure. See Chapter 9, "Alarms," for information on the Alarm Window.

For an Active Mode Connection, continue with step 9.

For an Active Mode Connection, the Login box displays.

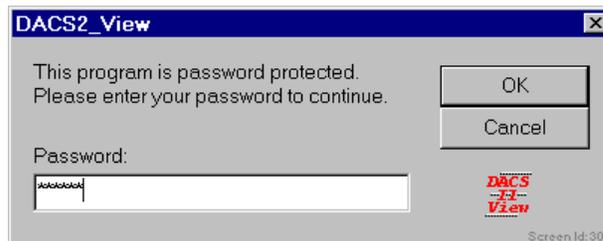


Figure 3-5. Login Box

9. Type in the DACS II View password, then click **OK**.

If	Then
this is the first login,	Enter the default password, dacsview at the login prompt. When prompted, enter a new password.
this is a subsequent login,	Enter the established password.
you want to change the password,	Log in using the established password. From the Main Window, click on the Admin button. Click on DACS II View Admin . Click Change Password . You will be prompted to enter the new password twice.
you have forgotten the password,	Call Lucent Technologies technical assistance at 1-800-225-4672.

10. After you login, a diagram of the DACS appears, like the one shown in Figure 3-6.
- a. Click **Query** to update the diagram with the current hardware configuration and status information from the connected DACS.

- b. You are now ready to provision the DACS or select any of the available options from the menu bar. See Chapters 4 through 10 for details.

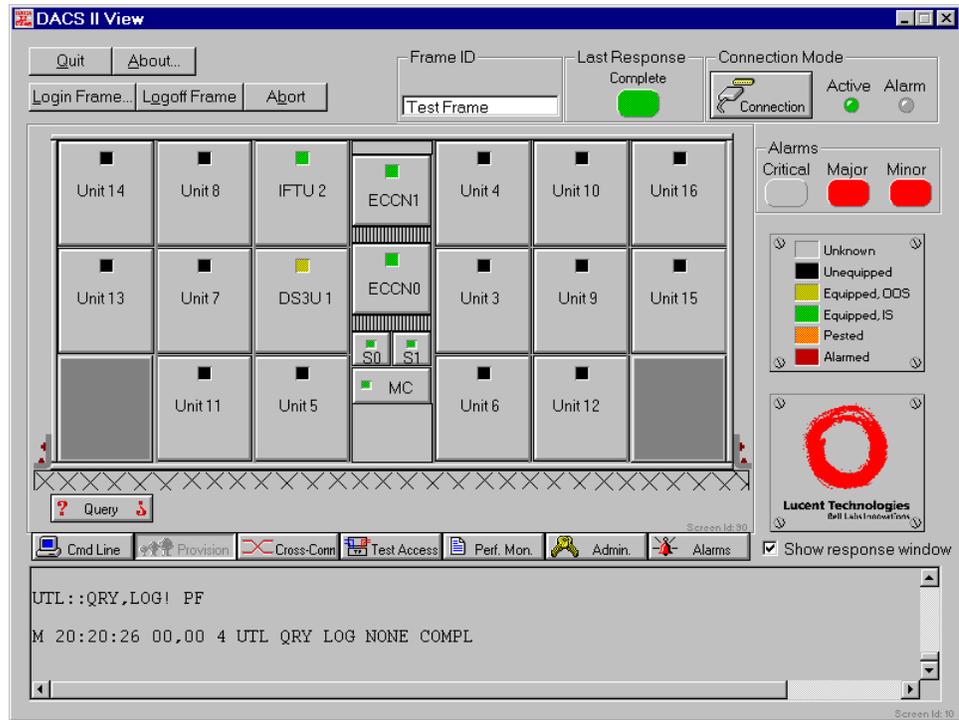


Figure 3-6. Main Provisioning Window for DACS II

- c. To log in to the DACS as a user, click **Login Frame...** in the Main Window.

Changing Modes

Overview

This section describes how to change modes for an established connection.

Procedure

To change connection modes:

1. In the Main Window, click on **Connection**.
The Connection Window displays.
2. Select Active Mode Connection or Alarm Mode Connection.
3. Click **OK**.
4. If you are switching to an Active Mode Connection, enter the DACS II View password. A diagram of the DACS appears. Click **Query** to retrieve the current hardware configuration and status information from the DACS.
5. If you are switching to an Alarm Mode Connection, the Alarms Window displays. For details, see Chapter 9, "Alarms."

**NOTE:**

You can switch freely between modes while still maintaining a connection to the DACS. Each time you switch to Active Mode, you are prompted for the DACS II View password.

**NOTE:**

If DACS II View is in Active Mode and left idle, the connection is automatically switched to Alarm Mode. From the **Admin** option, you can set the number of minutes of idle time or use the default of 10 minutes. See Chapter 8 for details. To switch back to Active Mode, use the above procedure.

Disconnecting from the DACS

Overview This section describes how to disconnect from a DACS and keep DACS II View open so that you can establish another connection.

Notes When you disconnect from a DACS, all DACS II View screen displays are cleared, including the Alarms Window.

You can also disconnect from a DACS when you exit DACS II View. See "Exiting DACS II View" for details.

Procedure To disconnect from a DACS:

1. In the Main Window, click on **Connection**.
The Connect Window displays.
 2. Click **Disconnect**.
-

Exiting DACS II View

Overview

This section describes how to exit DACS II View.

Procedure

To exit DACS II View:

1. In the Main Window, click **QUIT**.
 2. If you have a connection to a DACS, this prompt appears:
"You are still connected. OK will automatically DISCONNECT and QUIT."
Click **OK** to disconnect and exit DACS II View.
-

Removing DACS II View

Overview

This section describes how to remove DACS II View from your PC.

Procedure

To remove DACS II View from your PC:

1. From the Windows NT task bar, click Start, Settings, Control Panel.
 2. Double-click Add/Remove Programs.
 3. Select DACS II View from the list and click **Add/Remove**.
 4. At the prompt, "Are you sure you want to remove the selected application?" click **Yes**.
-

Provisioning Option

When to Use

Use the **Provisioning** option to:

- initially configure a DACS, configure added-on equipment, or modify existing equipment.
- restore service or remove service from any piece of equipment.
- designate NPCs as test ports or test groups.

Guidelines

Here are some guidelines to keep in mind:

- Components must be configured in a logical order. The largest components must be configured first. For example, on a DACS II ISX, equip an NPM before configuring its NPCs.
- When you select the **Provisioning** option, DACS II View displays a diagram of the connected DACS. If the display does not reflect the correct statuses of the equipment, click **Query**. To provision equipment, click on its location on the diagram.
- DACS II View provides the capability to operate on a range of NPCs at one time. Use the Range of NPCs box to indicate the range you want to work with.

- Actions must be performed in sequence. Figure 4-1 shows the allowed sequence.

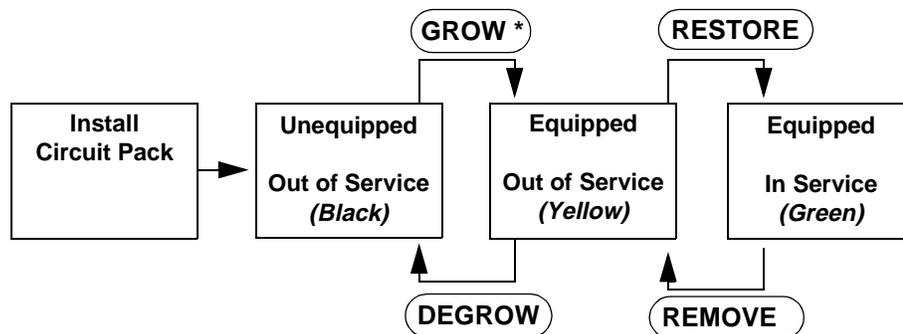


Figure 4-1. Sequence of Provisioning Actions

* DACS allows you to grow equipment without it being physically present. However, you can not restore equipment without it being physically present. The representations of equipment that you see through DACS II View are based on the equipment that has been successfully grown.

The actions listed in Figure 4-1 correspond to the buttons that appear on the provisioning windows.

The following table describes the function of each button and the color changes that appear in DACS II View.

Button	Explanation	From Color	To Color
Grow	Takes an unequipped unit and equips (grows) it.	Black	Yellow
Restore	Takes an equipped, out-of-service unit and puts it in-service.	Yellow	Green
Remove	Takes an equipped, in-service unit and puts it out-of-service.	Green	Yellow
Degrow	Takes an equipped, out-of-service unit and unequips (degrows) it.	Yellow	Black

⇒ NOTE:
 If an NPC is in an alarmed state, its color code is red. When the alarm is cleared, the color code reverts back to its original state. For example, when an alarm is cleared for an equipped, in-service NPC, its color code changes from red back to green.

⇒ NOTE:
 If the DACS cannot determine the state of an NPC, the NPC's color code will be gray. Press **Query** to update DACS II View with the actual state of the NPC.

Before you begin

Establish an Active Mode Connection to the DACS and click **Query** as described in "Connecting to the DACS" in Chapter 3.

Physical provisioning should already have taken place. For NPCs, the individual lines must be brought to the DACS and terminated there by circuit cards.

FTM/NPC Provisioning Example (DACS II)

Purpose This example illustrates how to grow a Facility Terminating Module (FTM) and one or more of its NPCs.

Procedure To provision an FTM and one or more of its NPCs:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in "Connecting to the DACS" in Chapter 3.

The DACS is displayed with the current hardware information. The following figure shows a sample display.

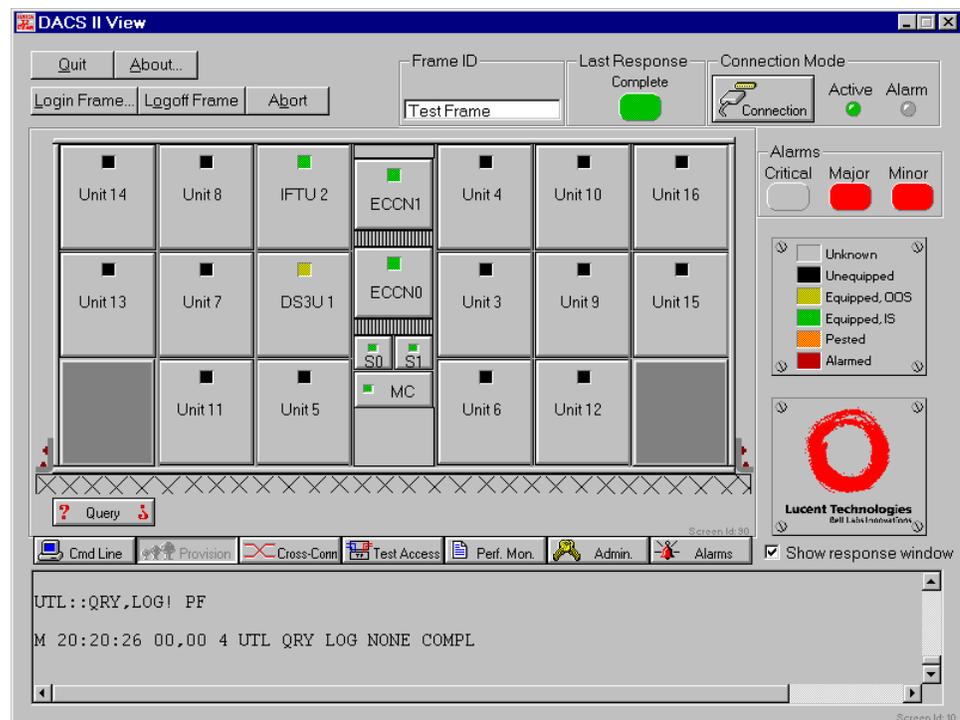


Figure 4-2. Main Provisioning Window (DACS II)

2. To provision equipment, click on it. For example, you can click on MC, ECCN1, DS3U1, etc. For this example, click on an IFTU to be provisioned.

The Unit Window displays.

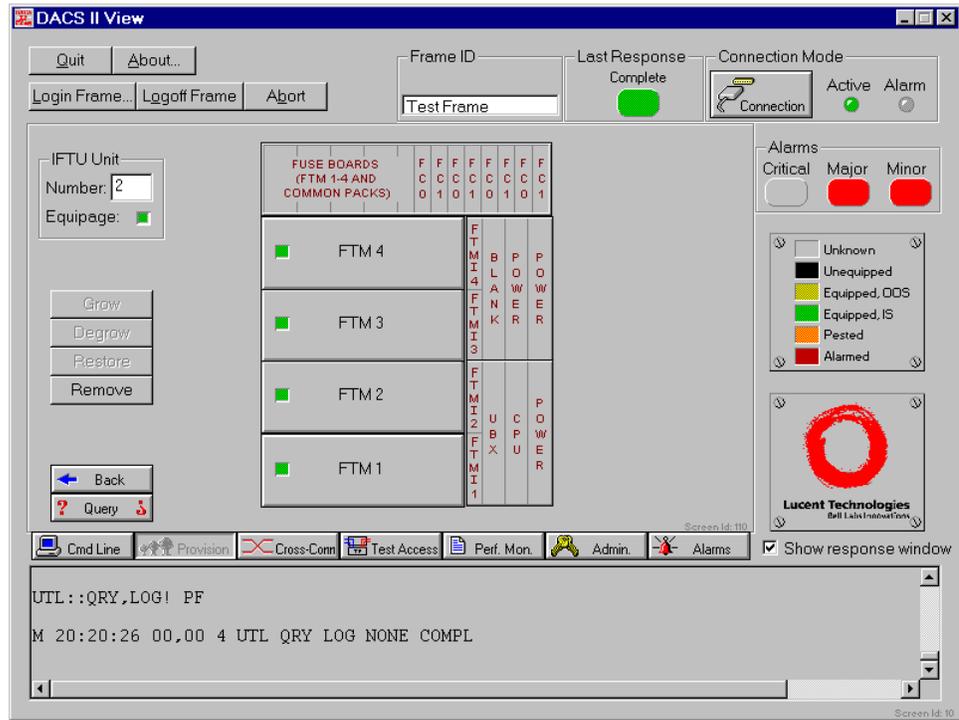


Figure 4-3. Unit Window (DACS II)

3. To provision the unit, click **Grow**. To put the unit in-service, click **Restore**.
4. Click on an FTM to be provisioned.

The FTM Window displays.

- In the Provision FTM box, set parameters for the FTM and click **Grow**.

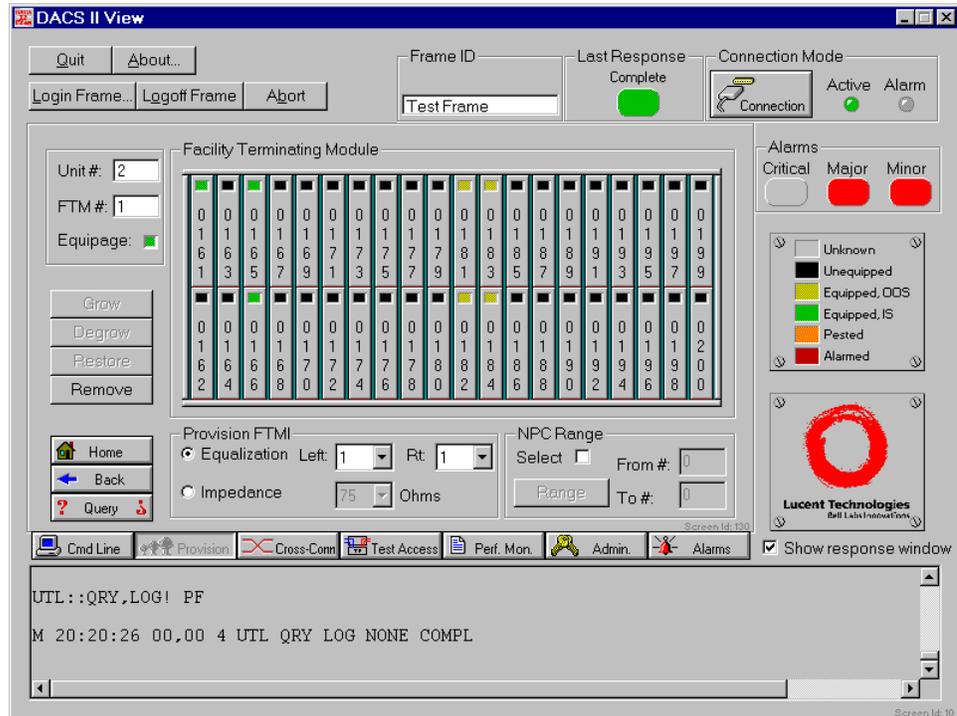


Figure 4-4. FTM Window (DACS II)

- Click **Restore** to put the FTM in-service.
- Specify the NPC(s) to be grown:
 - To grow a single NPC, click on the NPC number in the equipment diagram.
 - To grow a range of NPCs, do either of the following:
 - In the NPC Range box, mark the box next to "Select." In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
 - In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

8. From the NPC Provisioning Window, you can identify the characteristics of the equipment and perform any of the allowed actions: **Grow**, **Degrow**, **Restore**, and **Remove**.

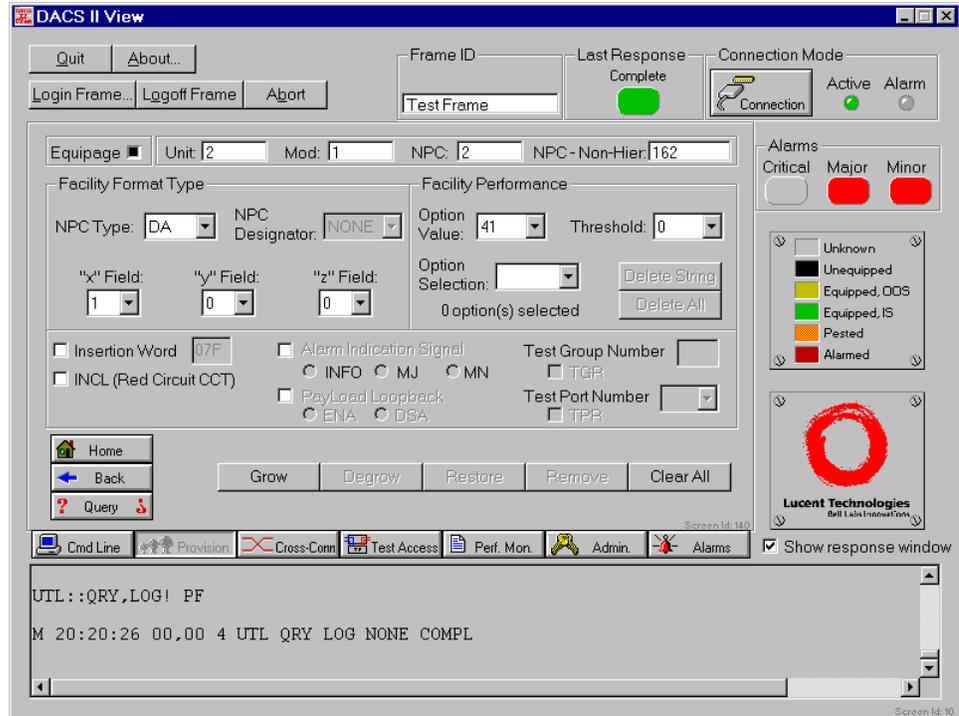


Figure 4-5. NPC Provisioning Window (DACS II)

9. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).
10. To return to the Main Provisioning Window, click **Home**.
11. To provision the DS3U unit, click on the DS3U unit in the Main Provisioning Window.

12. In the DS3U Unit Window, click **Grow** and then **Restore**.

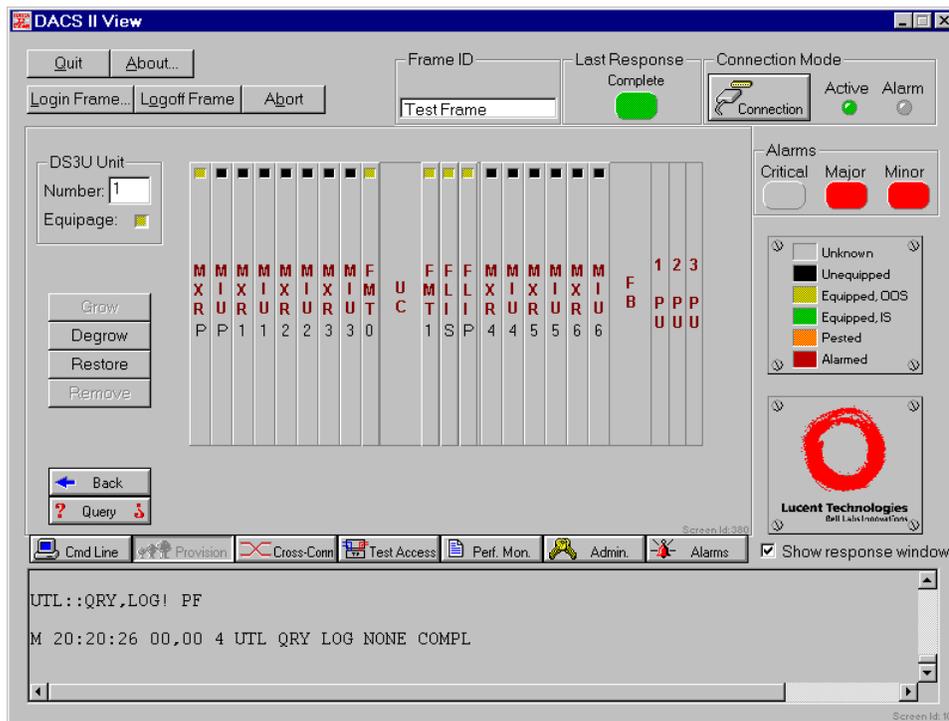


Figure 4-6. DS3U Unit Window (DACS II)

13. To provision an MXR card, click on it.
The MXR Card window displays.

14. From the MXR Card Window, you can identify the characteristics of the equipment and perform any of the allowed actions: **Grow**, **Degrow**, **Restore**, and **Remove**.

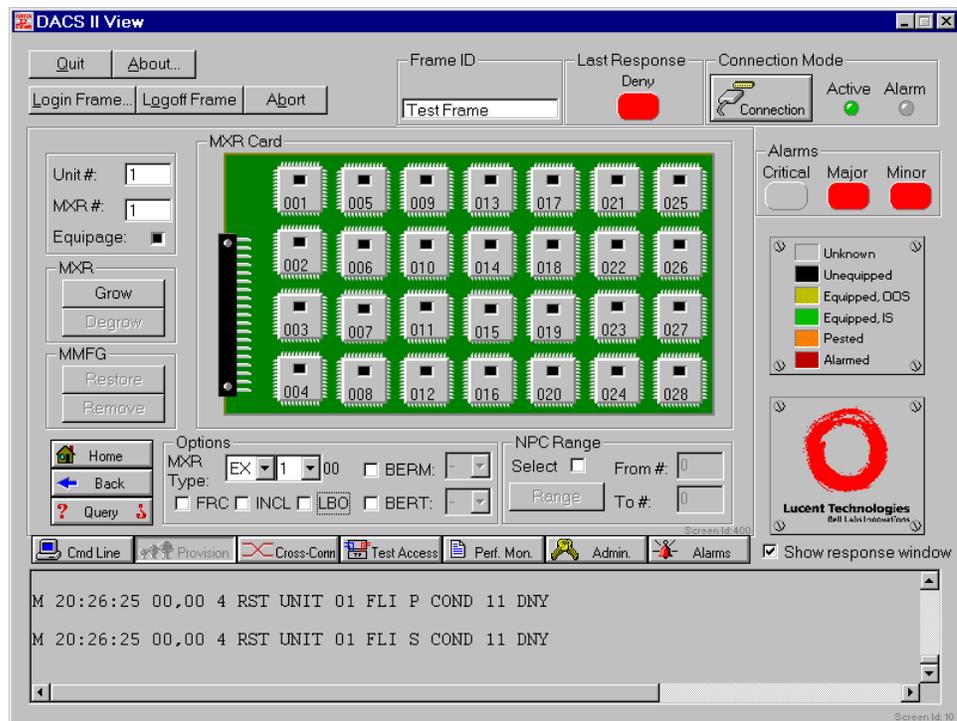


Figure 4-7. MXR Card Window

15. Specify the NPC(s) to be grown:
 - To grow a single NPC, click on the NPC number in the equipment diagram.
 - To grow a range of NPCs, do either of the following:
 - In the NPC Range box, mark the box next to “Select.” In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
 - In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

16. From the NPC Provisioning Window, you can identify the characteristics of the equipment and perform any of the allowed actions: **Grow**, **Degrow**, **Restore**, and **Remove**.

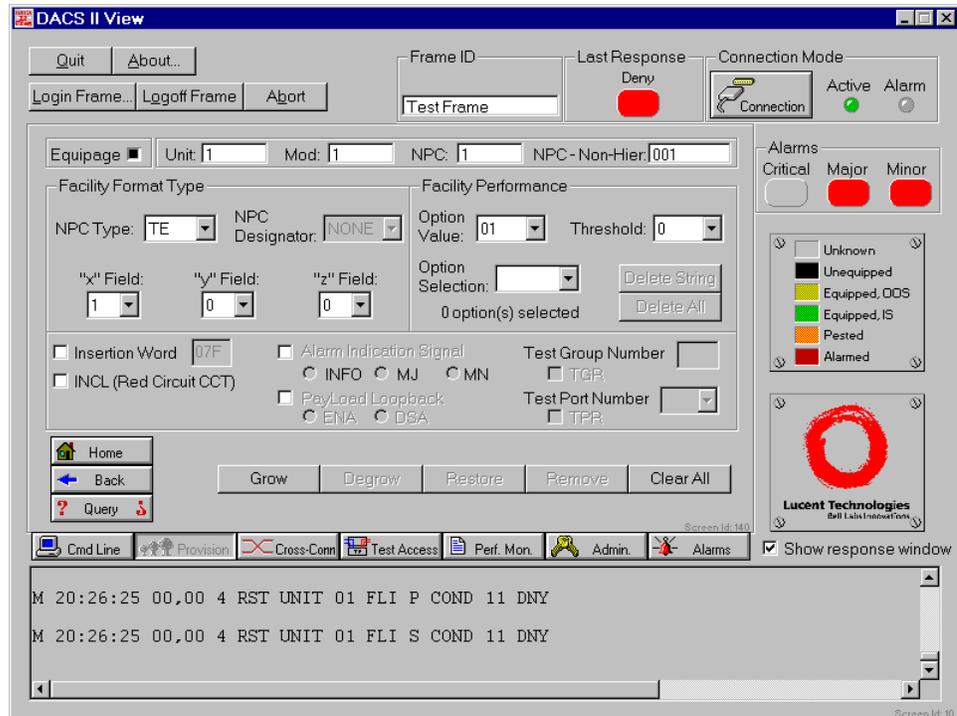


Figure 4-8. NPC Provisioning Window (DACS II)

17. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).
18. To return to the Main Provisioning Window, click **Home**.

NPM/NPC Provisioning Example (DACS II ISX)

Overview This example illustrates how to grow an NPM and one or more NPCs.

Procedure To provision an NPM and one or more NPCs:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in "Connecting to the DACS" in Chapter 3.

The DACS is displayed with the current hardware information. The following figure shows a sample display.

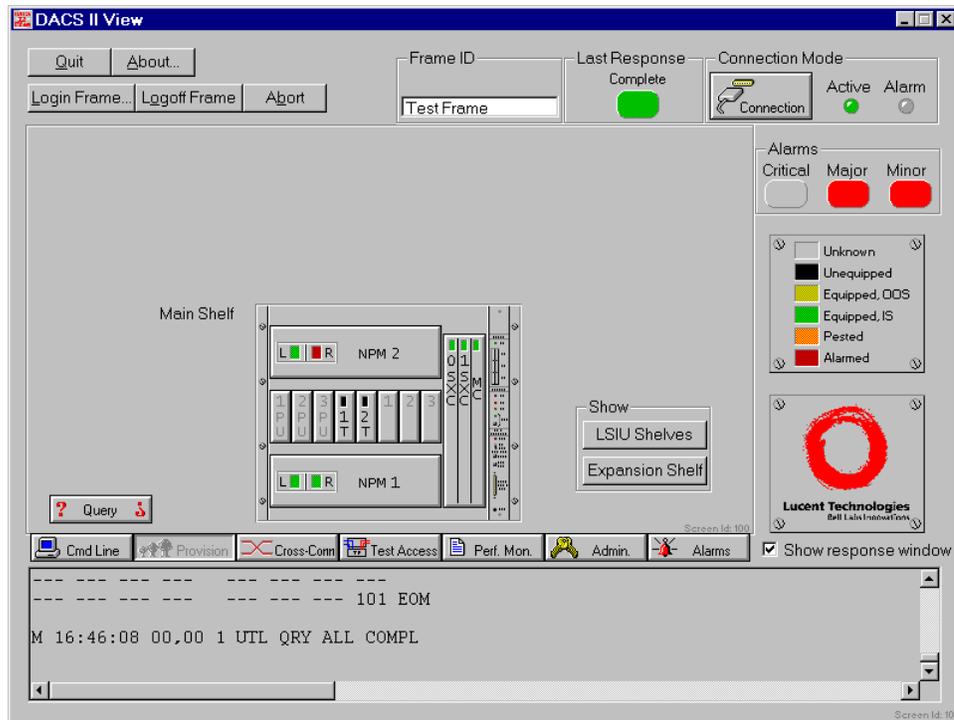


Figure 4-9. Main Provisioning Window (DACS II ISX)

2. To provision equipment, click on it. For example, you can click on MC, 1T, 2T, etc. For this example, click on the NPM to be provisioned.

The NPM Provisioning/NPC Window displays.

- In the Provision NPM box, set parameters for the NPM and click **Grow**.

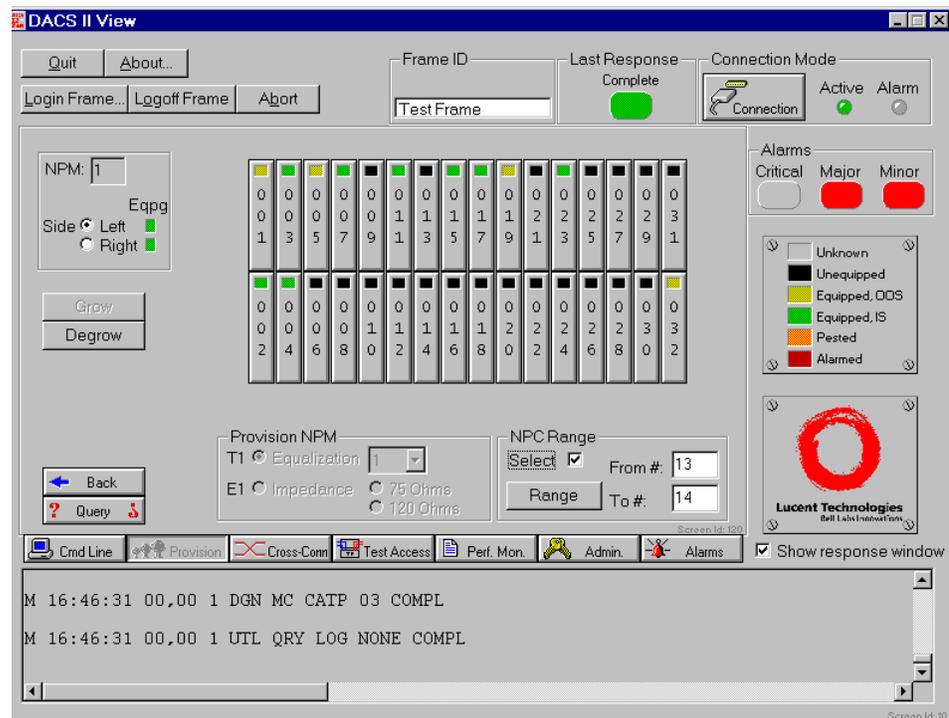


Figure 4-10. NPM Provisioning/NPC Window

- Specify the NPC(s) to be grown.
 - To grow a single NPC, click on the NPC number in the equipment diagram.
 - To grow a range of NPCs at one time:
 - To grow a range of NPCs, do either of the following:
 - In the NPC Range box, mark the box next to “Select.” In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
 - In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

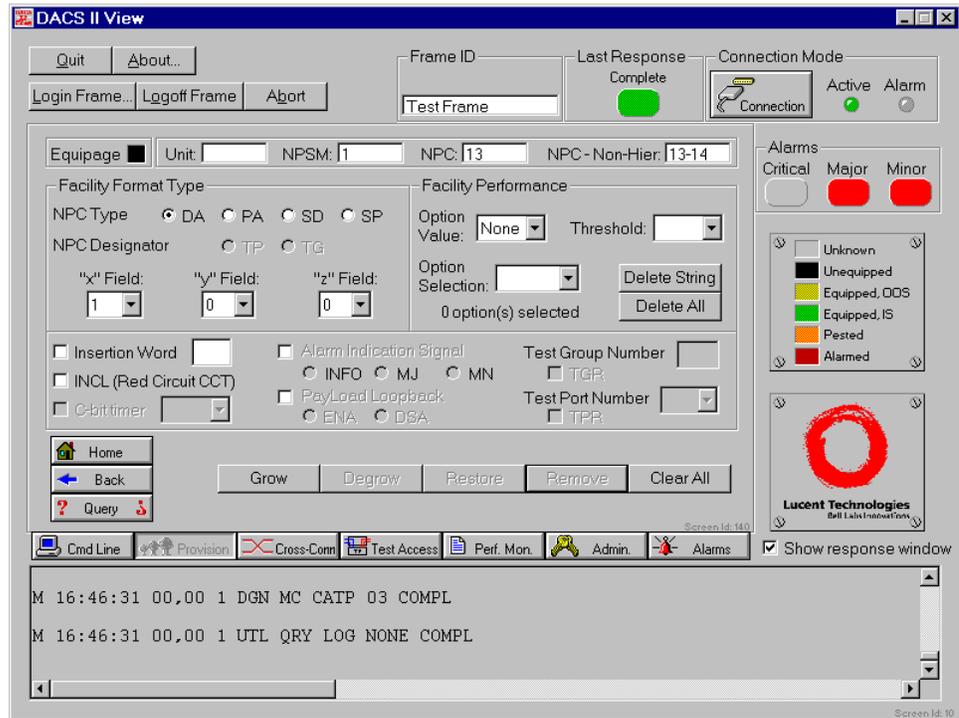


Figure 4-11. NPC Provisioning Window (DACS II ISX)

5. Identify the characteristics of the NPC(s), then click **Grow**.
6. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).
7. To return to the Main Provisioning Window, click **Back**.

LSIU Provisioning Example (DACS II ISX)

Overview This example illustrates how to grow an LSIU and one or more NPCs.

Procedure To provision an LSIU:

1. First, establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.

The DACS is displayed with the current hardware information. The following figure shows a sample display.

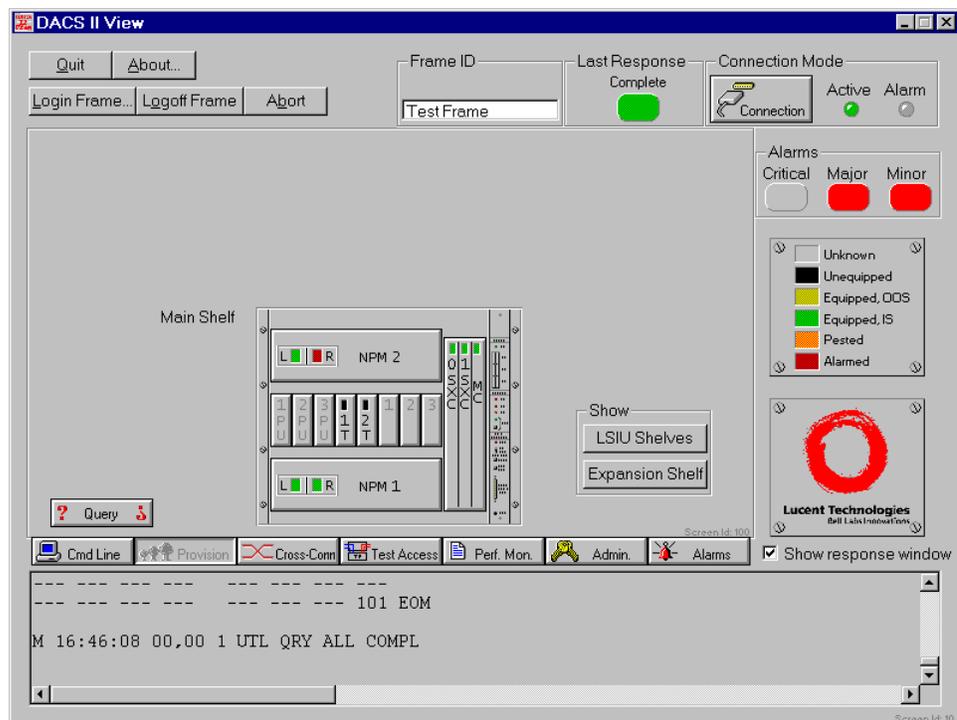


Figure 4-12. Main Provisioning Window (DACS II ISX)

2. In the Show box, click on the equipment to be added. For this example, click on **LSIU Shelves**.

The LSIU shelves are added to the diagram, as shown in the following figure.

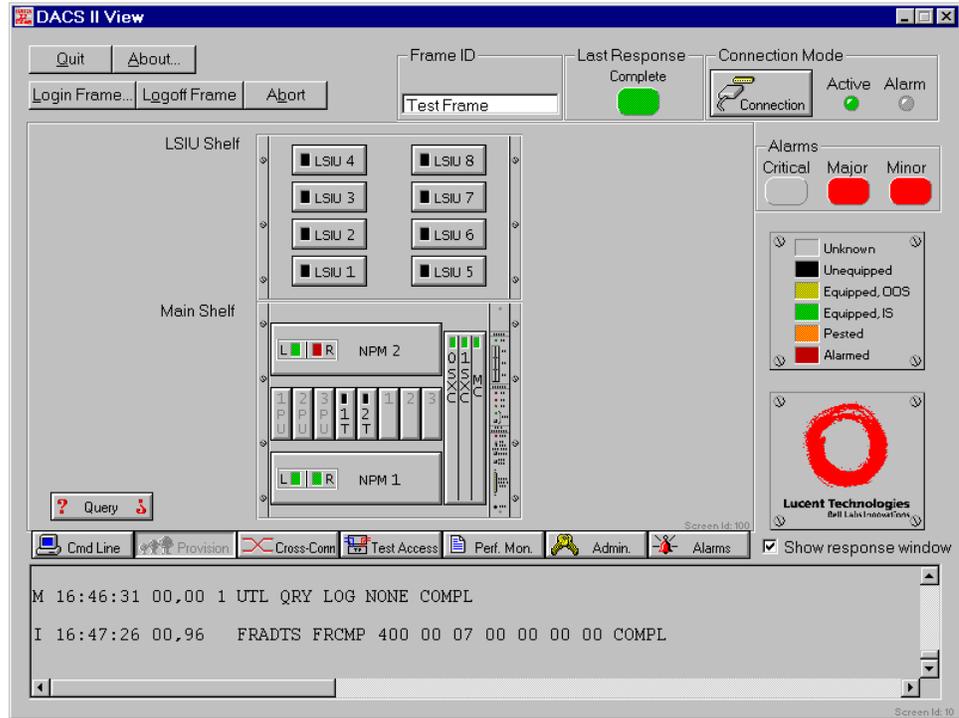


Figure 4-13. Main Provisioning Window for DACS II ISX with LSIU Shelves

3. Click on the LSIU to be provisioned.

The LSIU/NPC Window displays.

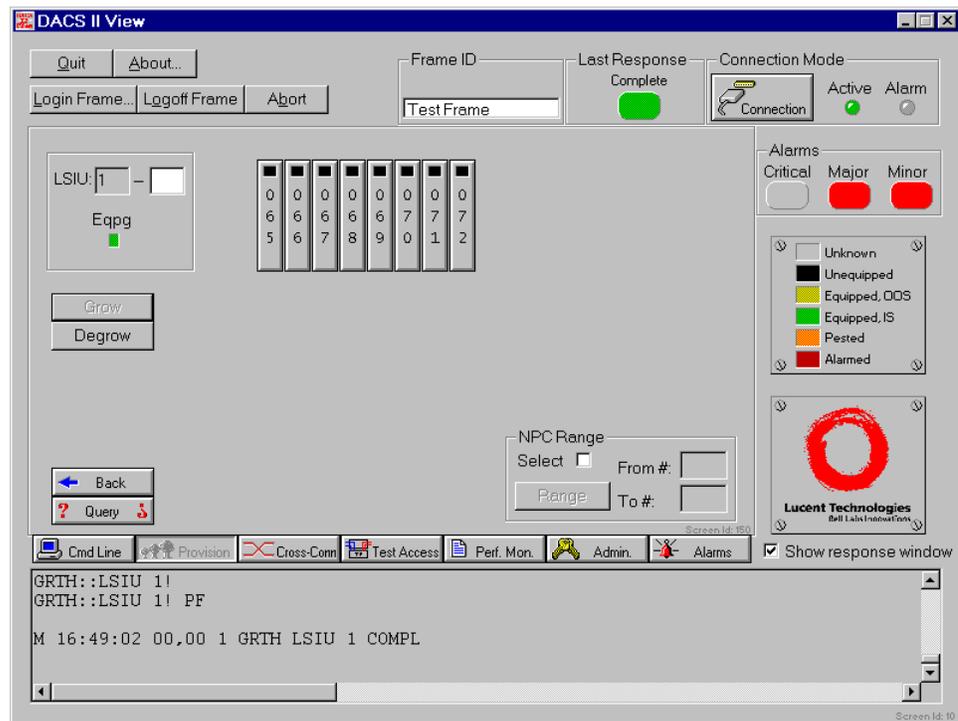


Figure 4-14. LSIU/NPC Window (DACS II ISX)

4. To grow LSIU(s), enter either:
 - the number of a single LSIU and click **Grow**.
 - the range of LSIUs and click **Grow**.
5. Specify the NPC(s).
 - To grow a single NPC, click on the NPC number in the equipment diagram.
 - To grow a range of NPCs, do either of the following:
 - In the NPC Range box, mark the box next to “Select.” In the equipment diagram, click on the From and To NPCs. In the NPC Range box, click **Range**.
 - In the NPC Range box, type the From and To NPCs in the range, then click **Range**.

The NPC Provisioning Window displays.

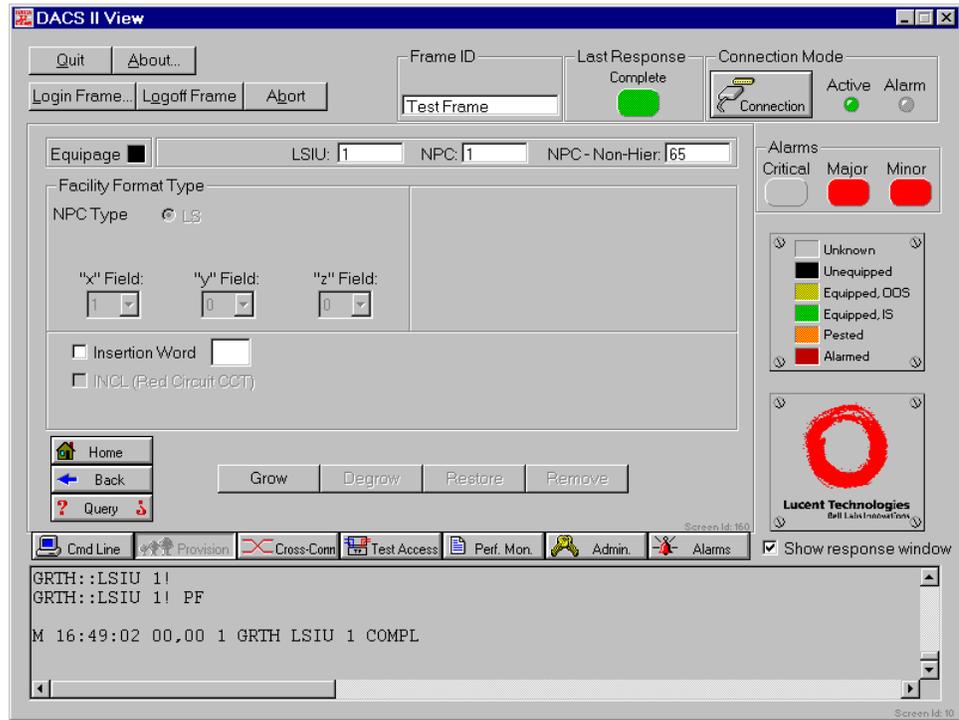


Figure 4-15. NPC Provisioning Window (DACS II ISX)

6. Identify the characteristics of the NPC(s), then click **Grow**.
7. When this is complete, click **Back** to return to the previous window. Observe the changed status for the NPC(s).
8. To return to the Main Provisioning Window, click **Back**.

Cross-Conn Option

When to Use

Click **Cross-Conn** from the menu bar to connect or disconnect either of the following:

- Two-point channelized or unchannelized cross-connection
 - Multi-point channelized or unchannelized cross-connection
-

Before you begin

Before you use **Cross-Conn**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.
 - Physical provisioning of the NPCs should already have taken place. The individual lines must be brought to the DACS and terminated there by circuit cards.
 - Through the **Provisioning** option, the NPCs to be cross-connected must be equipped and in-service (grown and restored).
-

Connecting a Two-Point Cross-Connection

Procedure

To connect a two-point cross-connection:

1. Click **Cross-Conn.** The Main Cross-Connect Window displays.
2. Click Channelized or Unchannelized.
3. Identify the cross-connection.
 - If the cross-connection is unchannelized, enter the From and To NPC.
 - If the cross-connection is channelized, enter the NPC and Channel Number for the From and To fields, as shown in Figure 5-1.

To cross-connect a range of channels, use a hyphen in the Channel field. An example of a valid entry in the Channel field is 1-8.



NOTE:

Leading zeroes are not required in the NPC and Channel Number fields.

The screenshot displays the 'DACs II View' window with the following details:

- Frame ID:** Test Frame
- Last Response:** Complete (indicated by a green circle)
- Connection Mode:** Active (indicated by a green circle)
- Alarms:** Critical (off), Major (on), Minor (on)
- From/To Fields:**

	NPC	Channel
From	165	011
To	166	011
- Channelization:** Channelized (selected), Unchannelized (unselected)
- Additional NPCs for Multi-Point:** A list of 8 empty fields numbered (2) through (8).
- Status Bar:** Shows a command line with the following text:


```
M 20:50:45 00,00 4 UTL QRY CMAP 166 DA100 001-024 FDL 000000 4 LN MSG:
000000 000000 000000 000000 000000 000000 000000 000000
000000 000000 000000 000000 000000 000000 000000 000000
000000 000000 000000 000000 000000 000000 000000 000000 COMPL
```

Figure 5-1. Main Cross-Connect Window, Two-Point Example

4. To see the list of existing cross-connections for the specified NPCs, click **Query**. The response appears in the Command Response Window.
5. In the Main Cross-Connect Window, click **Two-Point**.
The Two-Point Cross-Connect Window displays.
6. Identify the characteristics of the cross-connection.



NOTE:

The key area in the DACS II View window displays a cross-connect diagram for each type of cross-connection.

7. When finished entering parameters, click **Connect**. The following figure shows a completed example.

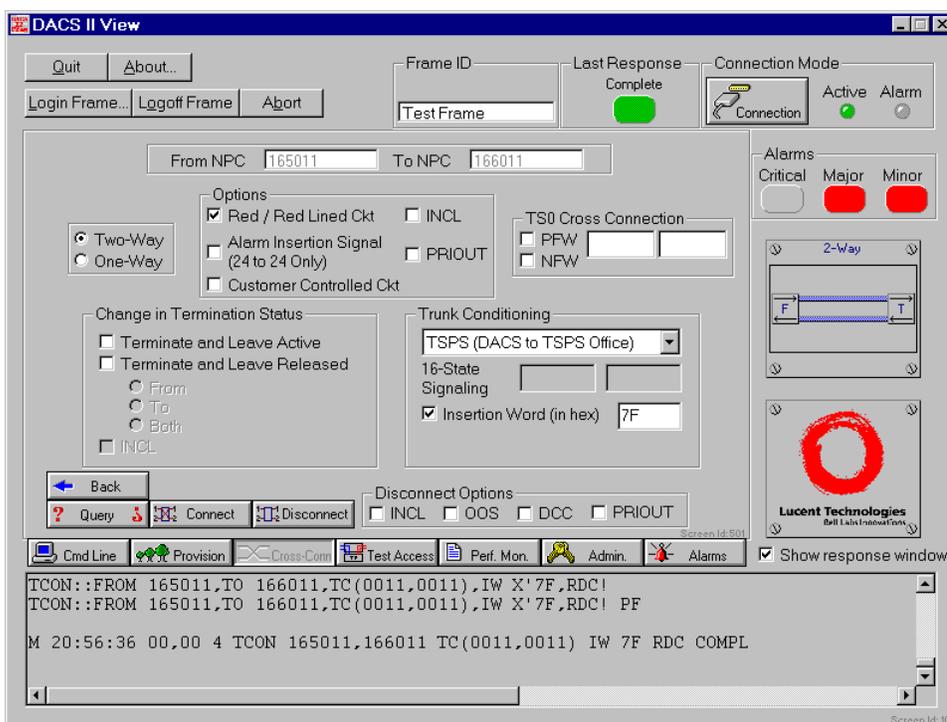


Figure 5-2. Two-Point Cross-Connect Window, Connect Example

8. To return to the Main Cross-Connect Window, click **Back**.

Disconnecting a Two-Point Cross-Connection

Procedure

To disconnect a two-point cross-connection:

1. Click **Cross-Conn.**
The Main Cross-Connect Window displays.
2. Click Channelized or Unchannelized.
3. Identify the cross-connection.
 - If the cross-connection is unchannelized, enter the From and To NPC.
 - If the cross-connection is channelized, enter the NPC and Channel Number for the From and To fields, as shown in the following example.

To enter a range of channels, use a hyphen in the Channel field. An example of a valid entry in the Channel field is 1-8.

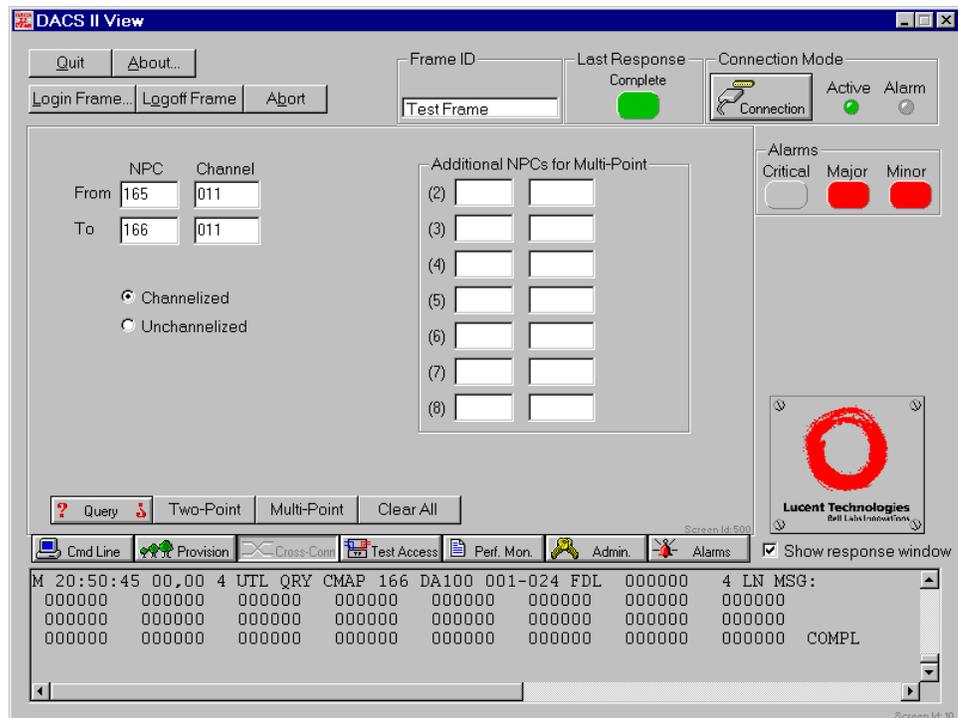


Figure 5-3. Main Cross-Connect Window, Two-Point Example

4. Click **Two-Point**.

The Two-Point Cross-Connect Window displays.

5. Select any required Disconnect Options.
6. Click **Disconnect**.

The following figure shows an example of the results.

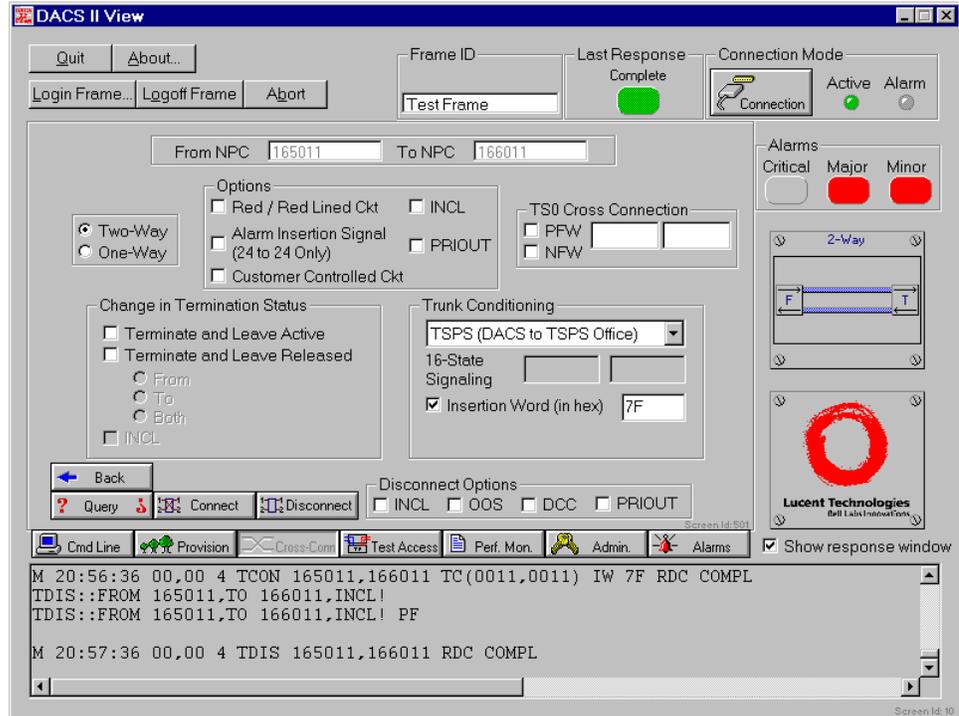


Figure 5-4. Two-Point Cross-Connect Window, Disconnect Example

7. To return to the Main Cross-Connect Window, click **Back**.

4. To see the existing cross-connections for the From NPC and the first To NPC, click **Query**. The response appears in the Command Response Window.
5. In the Main Cross-Connect Window click **Multi-Point**.
The Multi-Point Cross-Connect Window displays.
6. Identify the characteristics of the cross-connection.



NOTE:

The key area of the DACS II View window displays a cross-connect diagram for each type of cross-connection.

7. When finished entering parameters, click **Connect**.

The following figure shows a completed example.

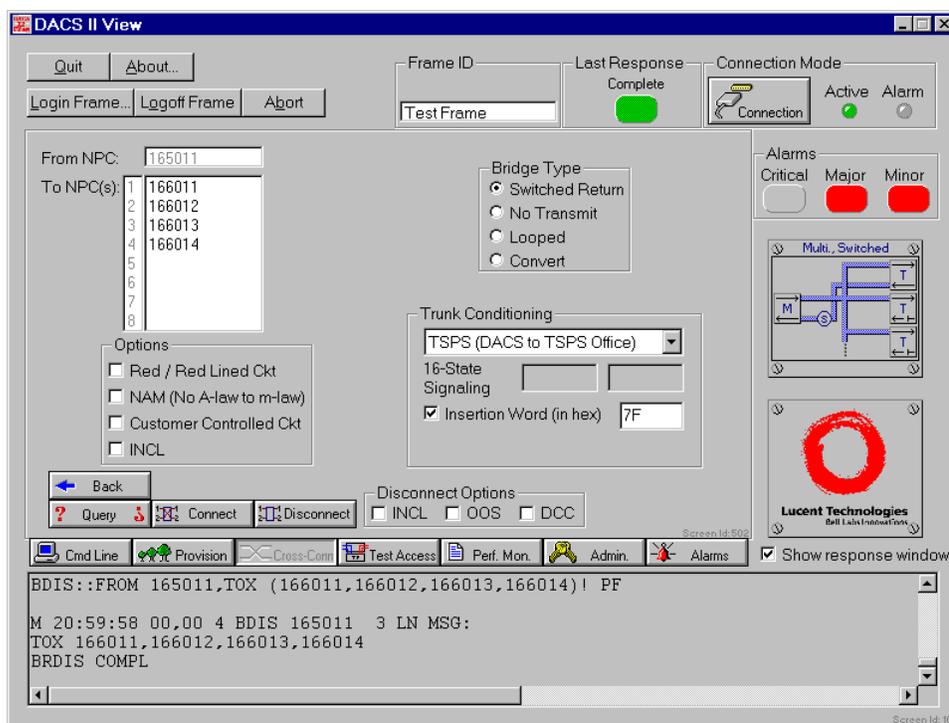


Figure 5-6. Multi-Point Cross-Connect Window, Connect Example

8. To return to the Main Cross-Connect Window, click **Back**.

Disconnecting a Multi-Point Cross-Connection

Procedure

To disconnect a multi-point cross-connection:

1. Click **Cross-Conn.**
The Main Cross-Connect Window displays.
 2. Click Channelized or Unchannelized.
 3. Identify the cross-connection.
 - If the cross-connection is unchannelized, on the left side of the window, enter the From NPC and one of the To NPCs. On the right side of the window, enter the additional NPCs in the box labeled, "Additional NPCs for Multi-Point."
 - If the cross-connection is channelized, on the left side of the window, enter the NPC and Channel numbers for the From NPC and one of the To NPCs. On the right side of the window, enter the additional NPCs in the box labeled, "Additional NPCs for Multi-Point."

Use a hyphen to specify a range of channels in the Channel fields.
 4. To see the existing cross-connections for the From NPC and the first To NPC, click **Query**. The response appears in the Command Response Window.
 5. In the Main Cross-Connect Window, click **Multi-Point**.
The Multi-Point Cross-Connect Window displays.
 6. Select any required Disconnect Options.
 7. Click **Disconnect**.
 8. To return to the Main Cross-Connect Window, click **Back**.
-

Converting a Two-Point Cross-Connection to a Multi-Point Cross-Connection

Procedure

To convert a two-point cross-connection to a multi-point cross-connection:

1. Click **Cross-Conn.**
The Main Cross-Connect Window displays.
2. Identify the existing two-point cross-connection in the From and To fields.



NOTE:

When converting to a multi-point cross-connection, the From NPC remains the same, the To NPC changes, and the "Additional NPCs for Multi-Point" will be added to the cross-connection.

3. In the "Additional NPCs for Multi-Point" box, enter the additional To NPCs.
4. Click **Multi-Point.**
The Multi-Point Cross-Connect Window displays.
5. Select "Convert."
6. Click **Connect.**
7. To return to the Main Cross-Connect Window, click **Back.**

Disconnecting a Converted Multi-Point Cross-Connection

Procedure

If a multi-point cross-connection was originally created by converting a two-point to a multi-point cross-connection, then you disconnect it in the following order:

1. Disconnect the multi-point cross-connection.
 2. Disconnect the two-point cross-connection.
-

Test Access Option

When to Use

You may want to run tests after initially provisioning a circuit or when a transmission problem is discovered in an existing circuit.

Click **Test Access** from the menu bar to do any of the following:

- Grow or degrow a Test Port
 - Grow or degrow a Test Group
 - Change Facility Test Access Digroup Mode
 - Change Test Port or Test Group Test Access Mode
-

Before you begin

Before you use **Test Access**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.
 - Through the **Provisioning** option:
 - The NPCs involved in the test must be equipped and in-service (grown and restored).
 - An NPC must be designated with a Test Group Number or Test Port Number, then grown as an NPCTP or NPCTG.
-

Establishing NPC Test Ports and Groups

Procedure

To specify NPC Test Ports and Test Groups:

1. Click **Test Access**.

The Main Test Access Window displays.

2. To display existing NPC Test Ports and Test Groups, click **Show QuickView**. The list displays in a separate pop-up window.
 - a. On the left side of the dialog, double-click Test Ports or Test Groups. The listing expands, just as a directory listing expands when you use Windows NT Explorer.
 - b. Click a Test Port or Test Group, then click **Query**. The right side of the dialog displays the attributes of the Test Port or Test Group, as shown in the following example.

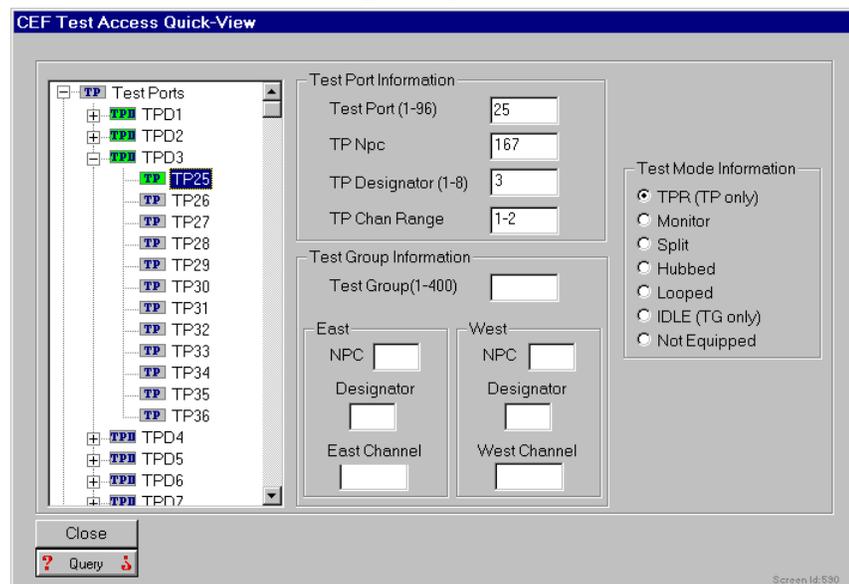


Figure 6-1. Test Access Quick-View Window

- c. You can keep this window open while you work in the Main Test Access Window. Click **Close** when you are done.
3. To identify a new NPC Test Port or Test Group, return to the Main Test Access Window and specify the characteristics of the Test Port or Test Group, then click **Grow**.

The following is an example.

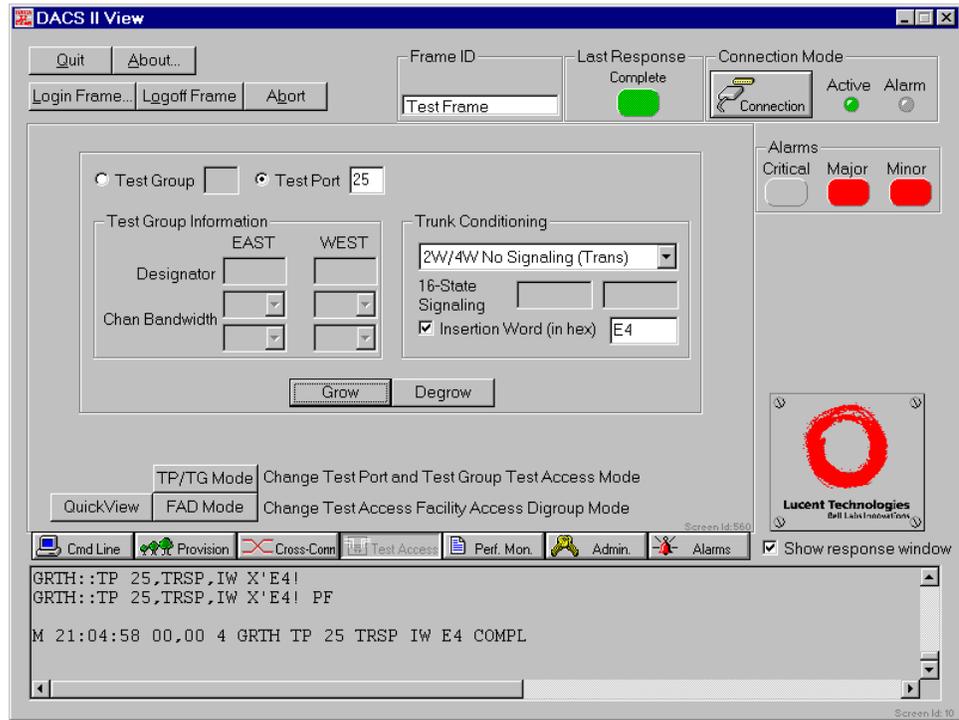


Figure 6-2. Main Test Access Window, Grow Test Port Example

4. To exit the Main Test Access Window, select another option from the menu bar.

Degrowing NPC Test Ports and Groups

Procedure

To degrow NPC Test Ports and Test Groups:

1. Click **Test Access**.
The Main Test Access Window displays.
2. Click **Show QuickView** to display the list of grown Test Ports and Test Groups. The list displays in a separate pop-up window. See Figure 6-1.
3. Note the Test Port or Test Group to be degrown, then return to the Main Test Access Window.
4. Enter the information for the Test Port or Test Group, then click **Degrow**.
The following figure provides an example.

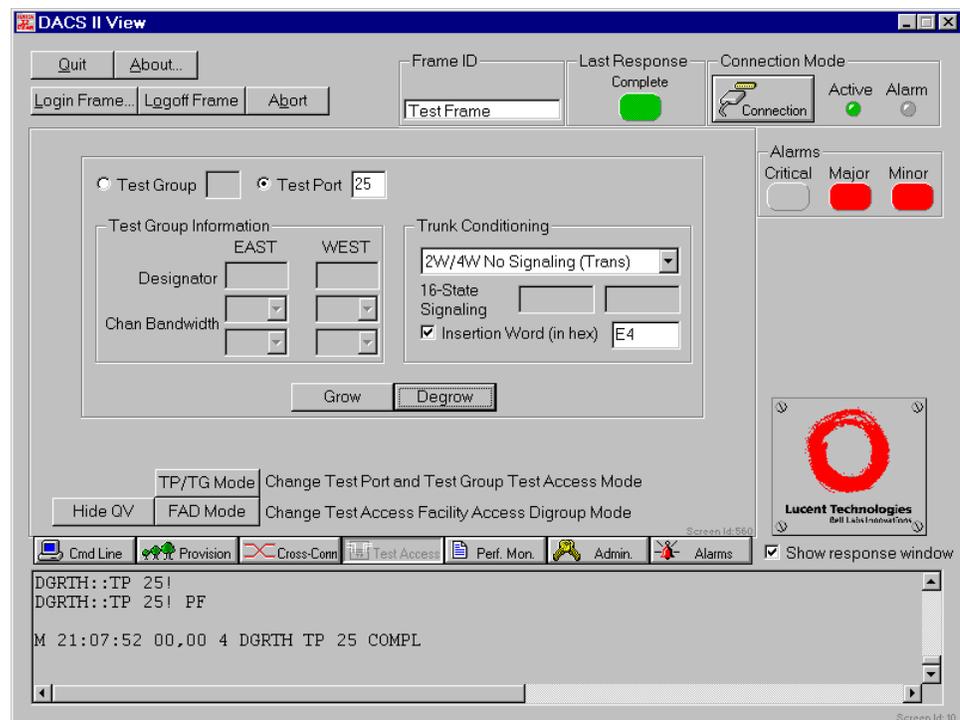


Figure 6-3. Main Test Access Window, Degrow Test Port Example

5. To exit the Main Test Access Window, select another option from the menu bar.

Establishing a Test Connection for a Test Port or Test Group

Procedure

To run a test for a Test Port or Test Group:

1. Click **Test Access**.
The Main Test Access Window displays.
2. Click **Show QuickView** to display the list of grown Test Ports and Test Groups. The list displays in a separate pop-up window. See Figure 6-1.
3. Note the Test Port or Test Group to be connected, then return to the Main Test Access Window.
4. Enter the information identifying the Test Port or Test Group, then click **TP/TG Mode**.
5. Identify the test.



NOTE:

The key area of the DACS II View window displays a diagram for each test mode.

6. When finished entering parameters, click **Apply**.
The following figure shows an example.

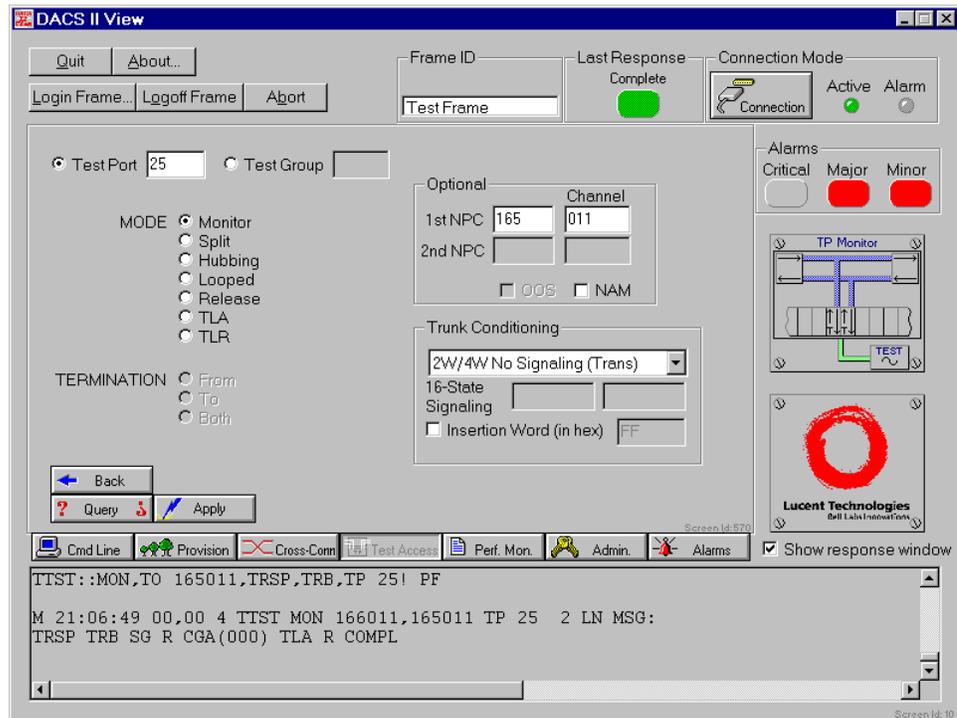


Figure 6-4. Test Access Mode Window, Test Connection for Test Port Example

7. To stop the test, in the Mode field, select Release. Click **Apply**.
8. To return to the Main Test Access Window, click **Back**.

Establishing a Test Connection for a Facility Access Digroup

Procedure To specify the test parameters and run a test for a Facility Access Digroup:

1. Click **Test Access**.
2. Click **FAD Mode**.

The Test Access FAD Window displays.



NOTE:

The key area of the DACS II View window displays a diagram for each test mode.

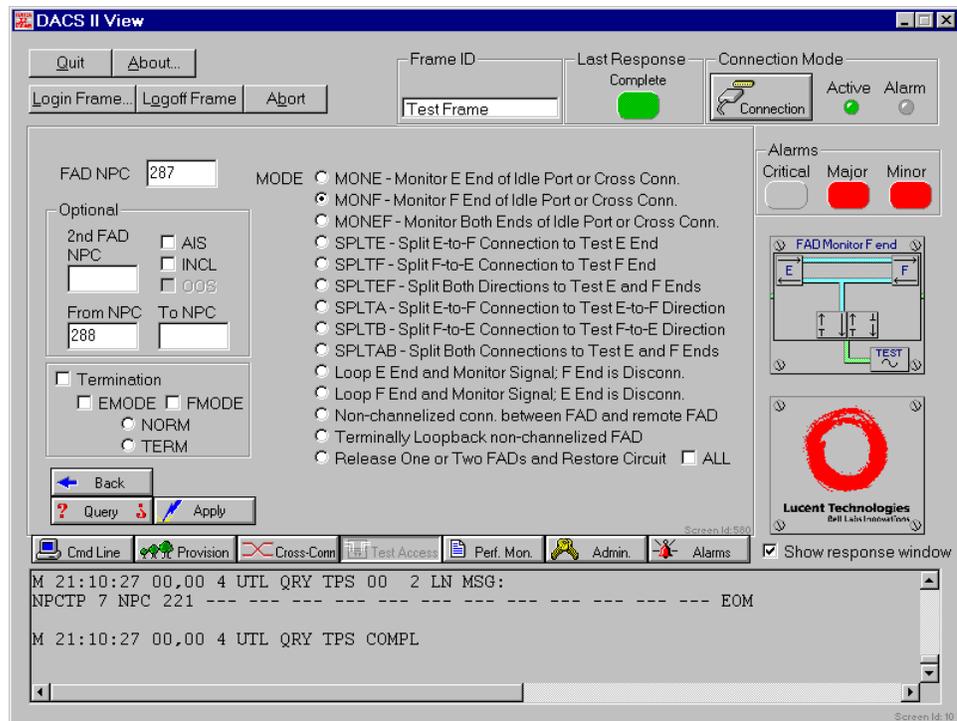


Figure 6-5. Test Access FAD Window, Test Connection for FAD Example

3. To see if any FAD tests are already set up, click **Query**. The response appears in the Command Response Window.
4. Return to the Test Access FAD Window and identify the test.
5. When finished entering parameters, click **Apply**.

6. To stop the test, in the Mode field, either:
 - Select “Release One or Two FADs and Restore Circuit” then click **Apply**.
 - Select “Release One or Two FADs and Restore Circuit”, select “All,” then click **Apply**.
 7. To return to the Main Test Access Window, click **Back**.
-

Perf. Mon. Option

When to Use

Click on the **Perf. Mon.** button to display or change settings for performance monitoring data. For example, from **Perf. Mon.** you can:

- Change performance parameter thresholds
- Schedule a performance monitoring report
- Check performance monitoring data
- Clear performance monitoring counts
- Activate or deactivate facility test signals
- Activate or deactivate a facility loopback
- Display DACS II CEF performance monitoring report

Before you begin

Before you use **Perf. Mon.**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.
-

Using Performance Monitoring

Procedure

To use the Performance Monitoring feature:

1. Click **Perf. Mon.**

The Performance Monitoring Window displays.

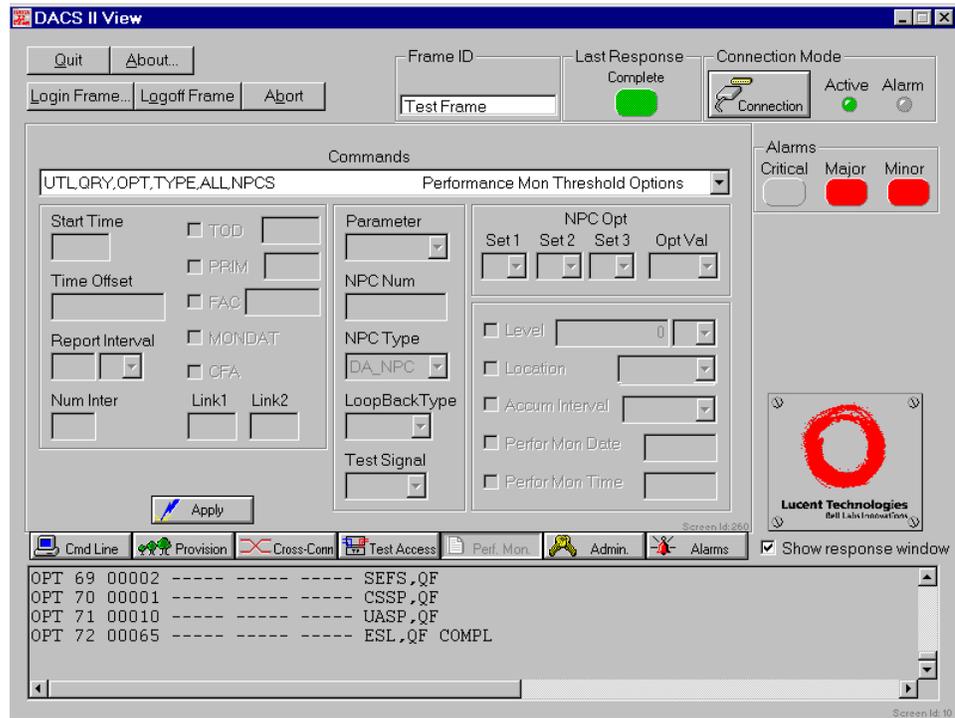


Figure 7-1. Performance Monitoring Window

2. Select a command from the Commands box.

The following commands are listed:

CHG, SETOP, TYPE, ALL, NPCOP

OPR, LPBK, NPC, LOCN

OPR, TSIG, NPC

RLS, LPBK, NPC, LOCN

RLS, TSIG, NPC

UTL, CLR, NPC, ALL, AI, LOCN, MONDAT, MONTIM

UTL, QRY, LPBK, NPC

UTL, QRY, NPC, ALL, AI, LV, LOCN, MONDAT

UTL, QRY, OPT, TYPE, ALL, NPCS

UTL,QRY,PMSCHED,NPC,ALL

UTL,QRY,TOD,CFA

UTL,SCHED,PMREPT,NPC,RI,ST,NI,LV,LOCN

UTL,TOD,CFA,FAC,X,PRIM,MONDAT

If the command you chose requires additional information, the related fields become accessible.

3. Set parameters and click **Apply**.

The response appears in the Command Response Window.



NOTE:

You can also see the results in the Fully Interactive Command Window. You can have the Fully Interactive Command Window open at all times while using DACS II View. For details, see Chapter 12.

Admin. Option

When to Use

Click on the **Admin.** button to provision DACS administrative links and users, set the date/time on the DACS, and set options for DACS II View.

Use the **Admin.** option to:

- Restore or remove service from an administrative link
 - Log off a DACS user or an administrative link
 - Configure administrative links
 - Configure message screening options and user interface characteristics for DACS users
 - Set the DACS system clock or set the DACS system date and program the interval at which the date will be automatically printed by the DACS
 - Change the DACS II View password
 - Change settings for DACS II View, including log size, timeout to Alarm Mode, and logo.
-

Before you begin

Before you use **Admin.**, the following should be done:

- Establish an Active Mode Connection to the DACS and click **Query** as described in “Connecting to the DACS” in Chapter 3.
-

Guidelines

Here are a few guidelines to keep in mind:

- To display the current settings on the DACS, click **Query** on the Administration Windows.
 - To see which commands can be executed from the Administration Windows, refer to Chapter 12.
 - Some administration actions require that you are logged on to the DACS as user DAX. To log in to the DACS, use **Login Frame...**
-

Provisioning an Administrative Link

Procedure

To provision an administrative link:

1. Click **Admin**.

The Main Administration Window displays.

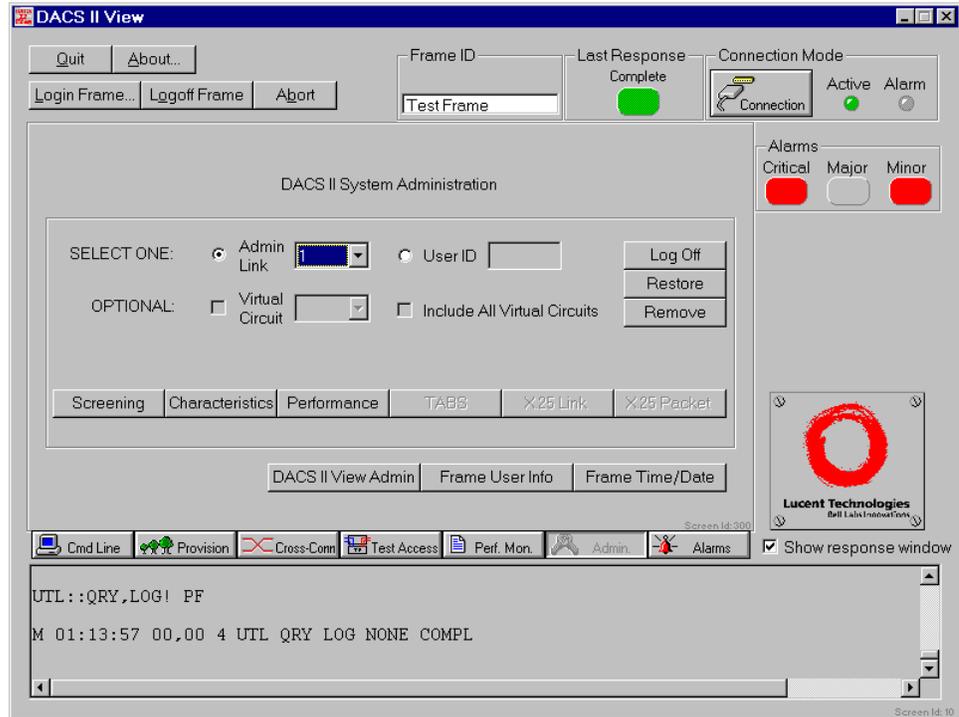


Figure 8-1. Main Administration Window

2. Select Admin Link, then select an Admin Link number.

If the administrative link is X.25, you can also specify a virtual circuit or check the “Include All Virtual Circuits” box.

- 3. To view or change output message screening options, click **Screening**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

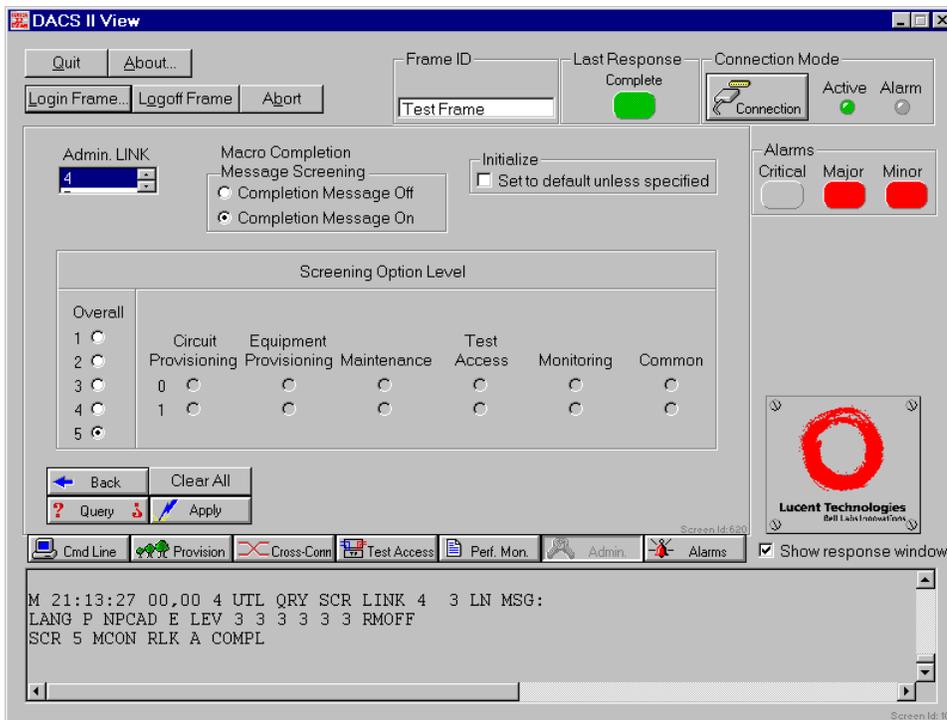
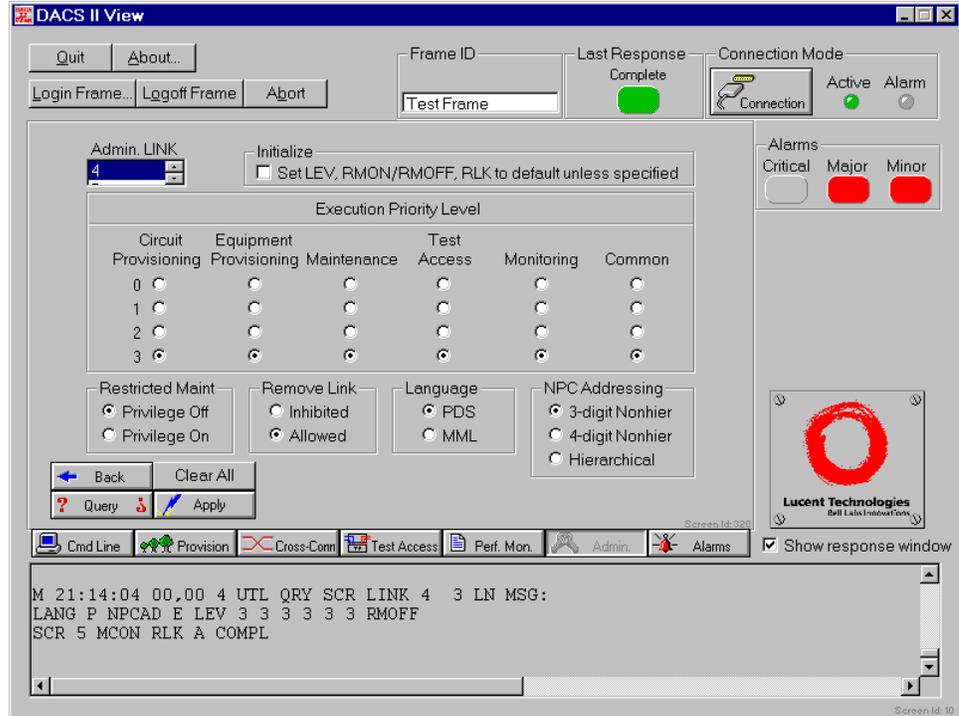


Figure 8-2. Screening Window

- To change characteristics of the administration link, such as: Input Command Priority, Restricted Maintenance option, message language of the link, NPC addressing mode, and link removal permission, click **Characteristics**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.



- 5. To set the link performance parameters, such as Protocol and Baud Rate, click **Performance**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

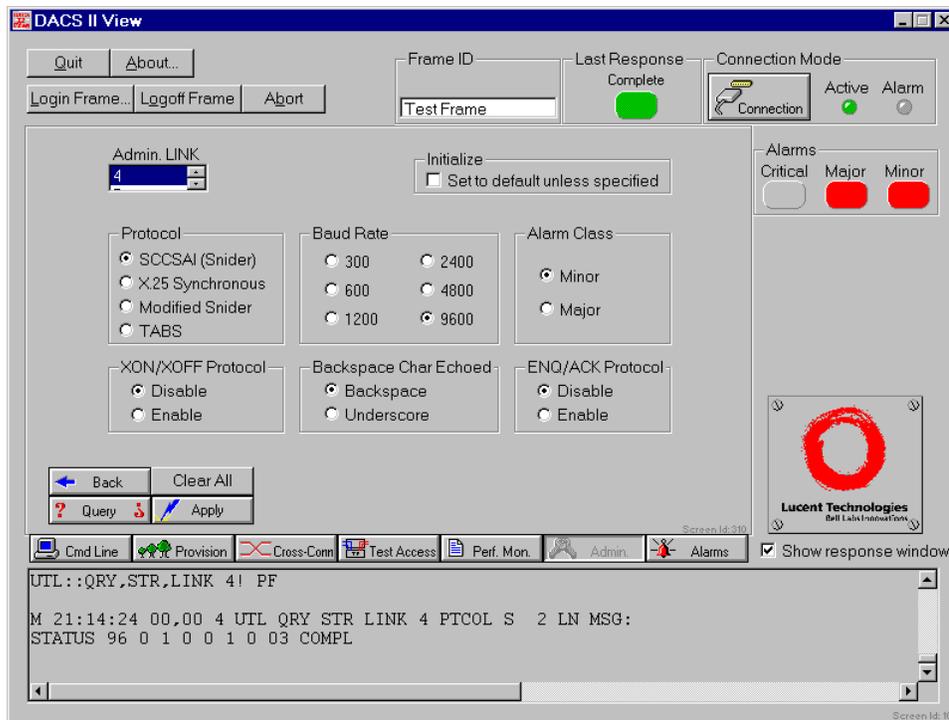


Figure 8-3. Performance Window

- To set parameters for an administrative link using Telemetry Asynchronous Block Serial (TABS) protocol, click **TABS**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

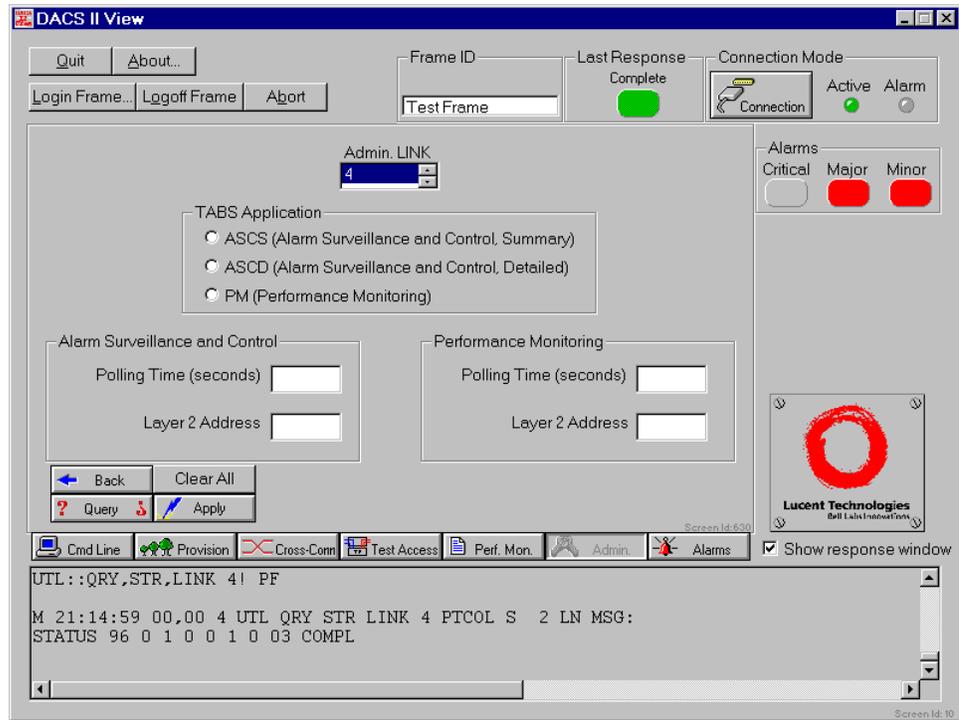


Figure 8-4. TABS Window

- 7. To provision link communication parameters for an X.25 link, click **X.25 Link**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

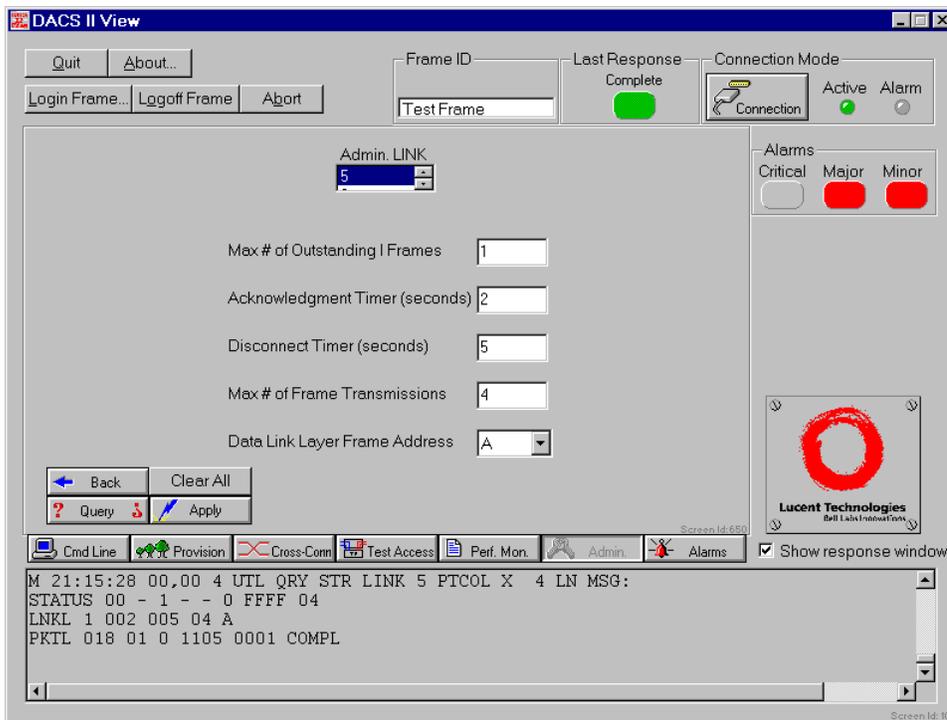


Figure 8-5. X.25 Link Window

8. To provision packet layering parameters for an X.25 administrative link, click **X.25 Packet**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

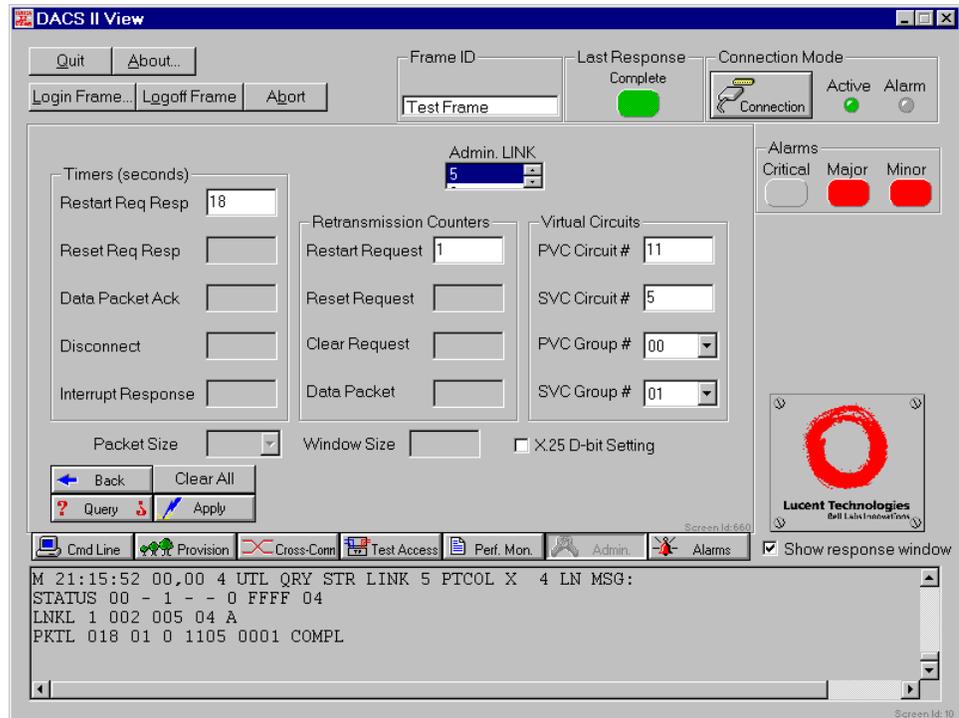


Figure 8-6. X.25 Packet Window

Selecting Administrative Link Options for a DACS User ID

Procedure To select administrative link options for a DACS user:

1. Click **Admin**.
The Main Administration Window displays.
2. Select User ID and enter the DACS User ID.
3. To view or change output message screening options for this user, click **Screening**. Enter an Admin. LINK number. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.

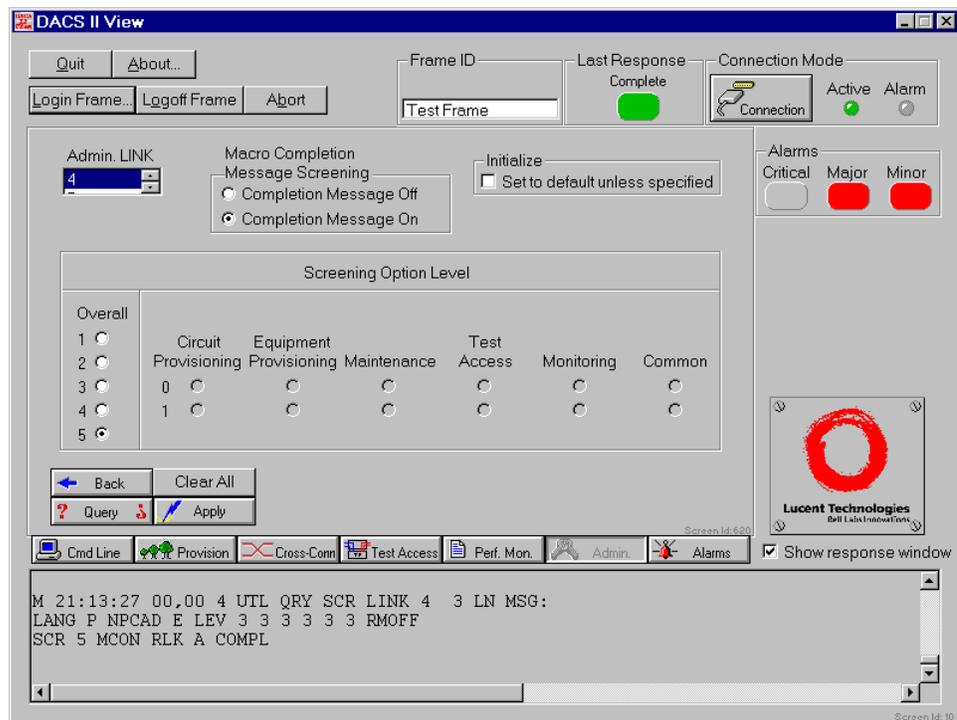
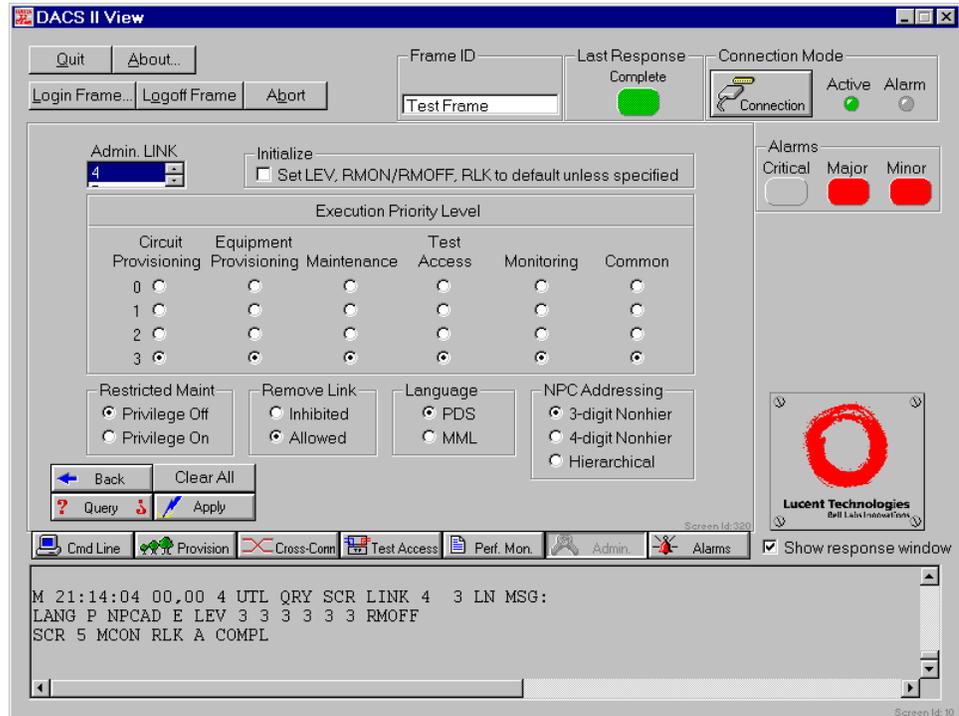


Figure 8-7. Screening Window

- To change characteristics of the administration link for this user, such as: Input Command Priority, Restricted Maintenance option, message language of the link, NPC addressing mode, and link removal permission, click **Characteristics**. Set parameters and click **Apply**. Click **Back** to return to the Main Administration Window.



Removing or Restoring Service to an Administrative Link

Procedure To remove or restore service to an administrative link:

1. Click **Admin**.

The Main Administration Window displays.

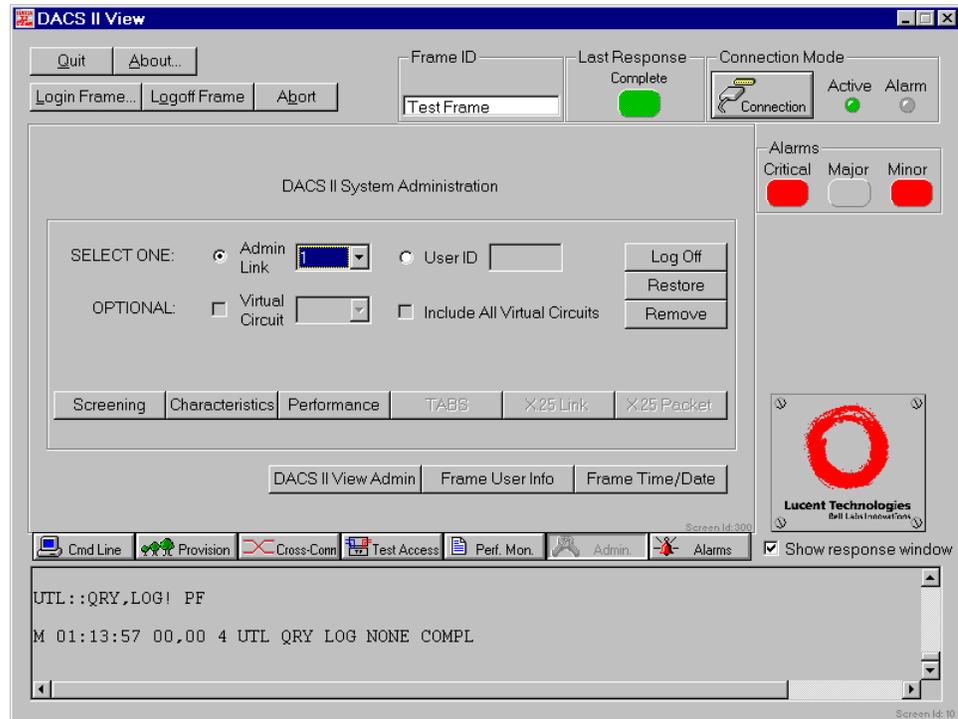


Figure 8-8. Main Administration Window

2. Select an Admin Link number.

If the administrative link is X.25, you can also specify a virtual circuit or check the “Include All Virtual Circuits” box.

3. Select one of the following buttons:

Button	Purpose
Remove	To remove service from an administrative link.
Restore	To restore service to an administrative link.

Logging Off a DACS User or an Administrative Link

Procedure To log off a DACS user or to log off all users from an administrative link:

1. Click **Admin**.

The Main Administration Window displays.

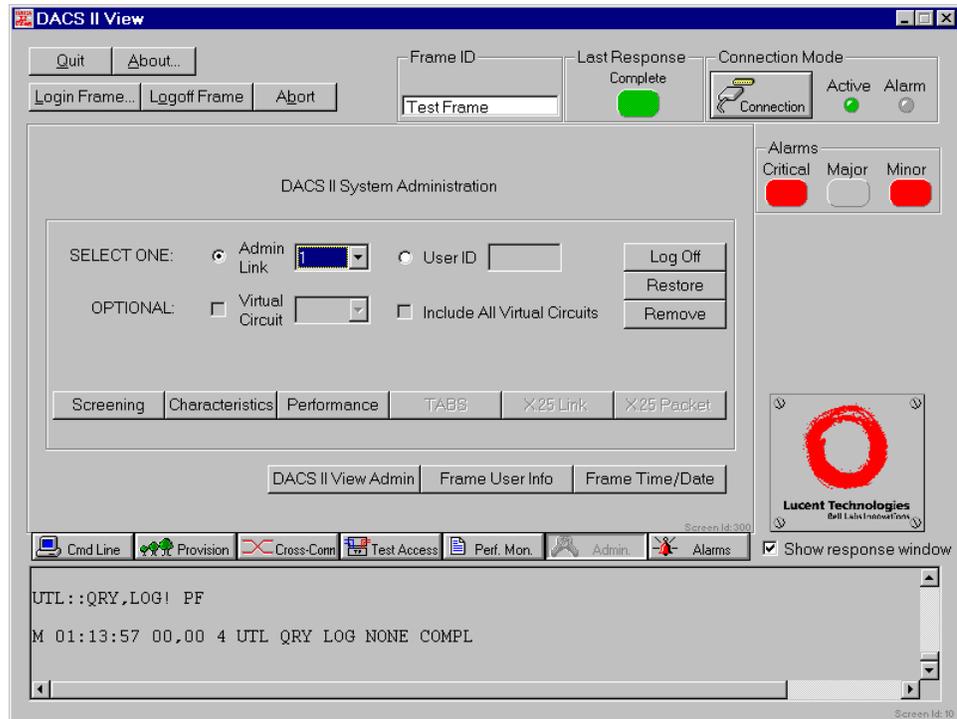


Figure 8-9. Main Administration Window

2. Choose one of the following actions:
 - To log off an administrative link, select an Admin Link number.
If the administrative link is X.25, you can also specify a virtual circuit or check the “Include All Virtual Circuits” box.
 - To log off a DACS user, enter a User ID.
3. Click **Log Off**.

Setting Options for DACS II View

Procedure

To set DACS II View options:

1. Click **Admin**.
2. From the Main Administration Window, click **DACS II View Admin**.

The DACS II View Administration Window displays.

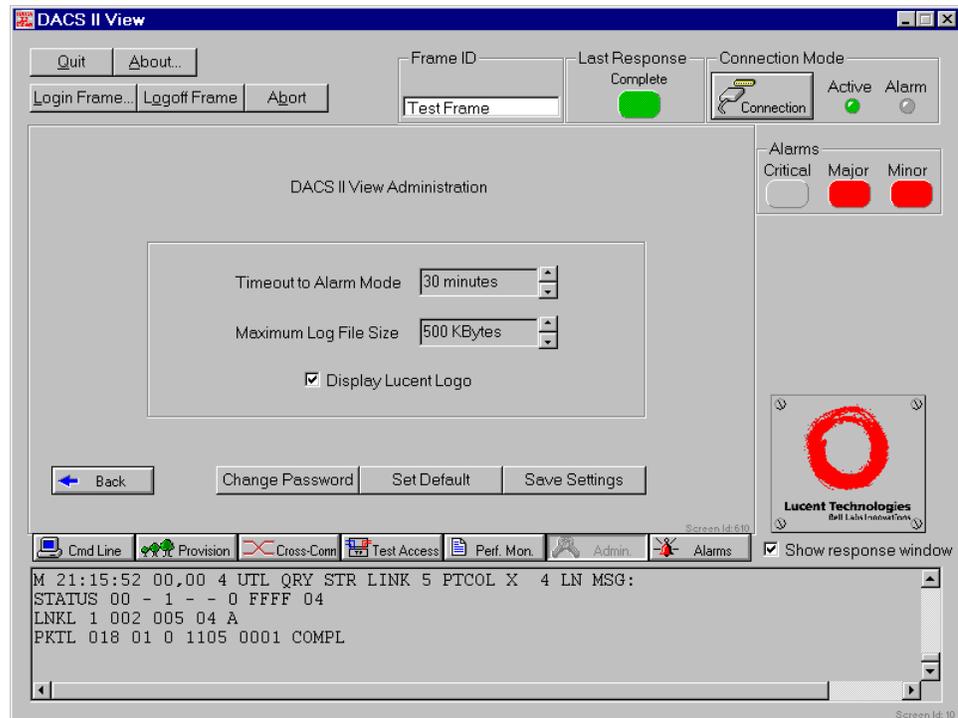


Figure 8-10. DACS II View Administration Window

3. Set the DACS II View parameters:
 - **Timeout to Alarm Mode:** the number of minutes before DACS II View automatically switches an idle Active Mode connection to Alarm Mode. Default is 10 minutes.
 - **Maximum Log Size:** the maximum size of the DACS_LOG.txt file. Default is 500 KB. For more information on the log file, see Chapter 9.
 - **Display Lucent Logo:** enable or disable display of Lucent logo on right side of DACS II View Main Window.

4. Choose one of the following actions:
 - Click **Save Settings** to store the new settings.
 - Click **Set Default** to restore the default settings.
 5. Click Back to return to the Main Administration Window.
-

Changing DACS II View Password

Procedure

To change the DACS II View password:

1. Click **Admin**.
2. From the Main Administration Window, click **DACS II View Admin**.

The DACS II View Administration Window displays.

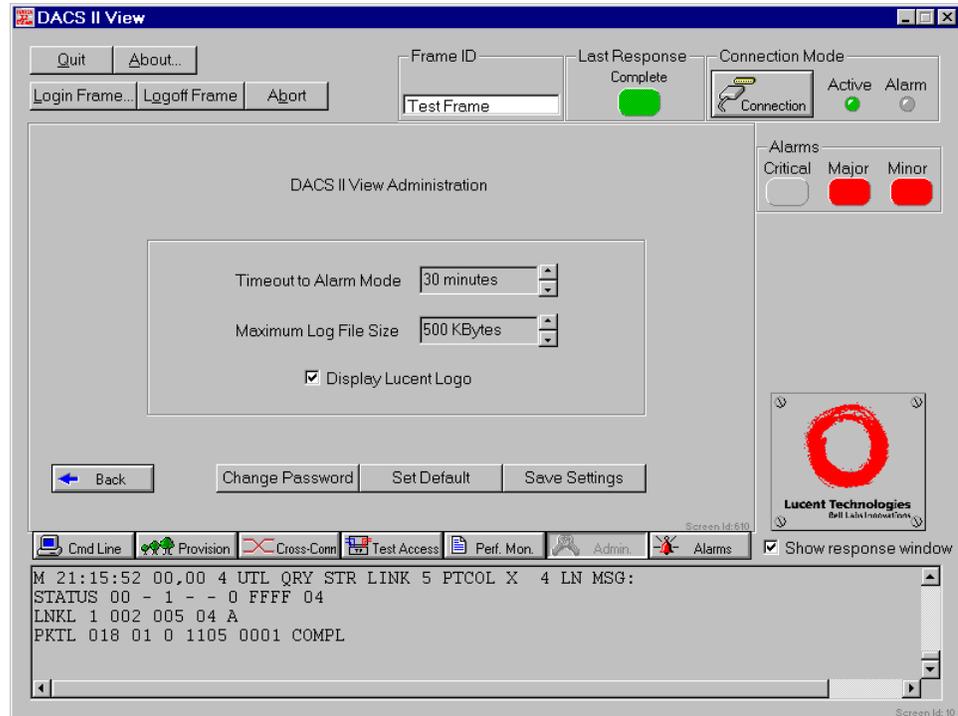


Figure 8-11. DACS II View Administration Window

3. Click **Change Password**.
4. Enter the new password twice.
5. Click **Back** to return to the Main Administration Window.

Administering DACS User IDs

Procedure

To add, delete, or reassign a password to a DACS User ID:

1. Click **Admin**.
2. From the Main Administration Window, click **Frame User Info**.

The Frame User Info Window displays.

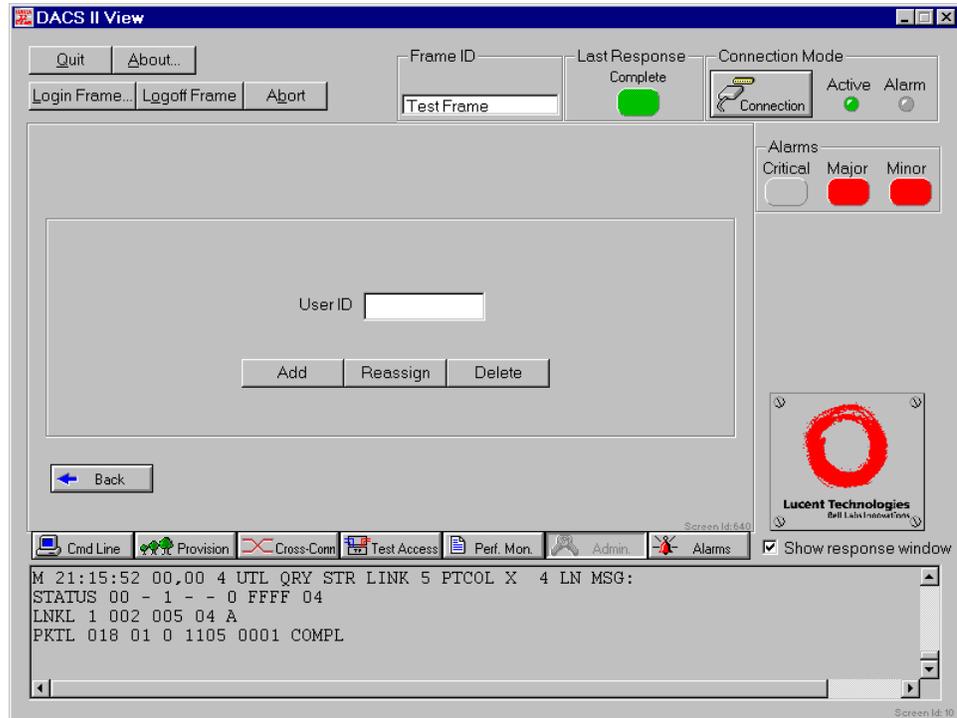


Figure 8-12. Frame User Info Window

3. Choose one of the following actions:
 - To add a new User ID, enter a new User ID and click **Add**.
 - To reassign a password, enter an existing User ID and click **Reassign**. When prompted, enter a new password twice.
 - To delete a User ID, enter an existing User ID and click **Delete**.
4. Click **Back** to return to the Main Administration Window.

Changing Time/Date

Procedure

To set the DACS time, date, date format, or change when the DACS automatically prints out the date (Date Interval):

1. Click **Admin**.
2. From the Main Administration Window, click **Frame Time/Date**.

The Frame Time/Date Window displays.

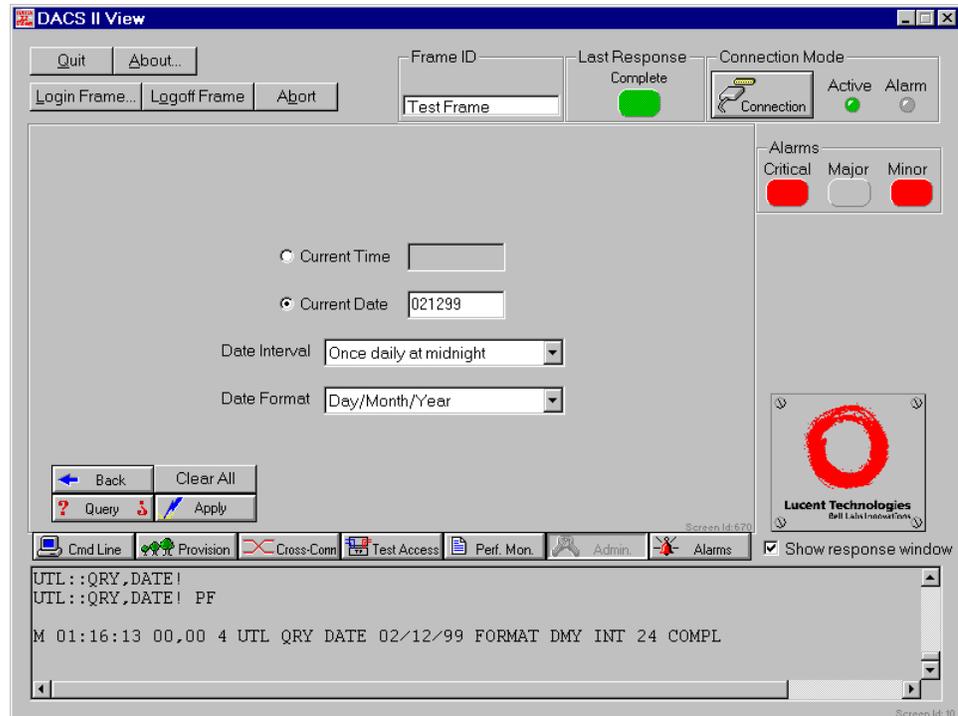


Figure 8-13. Frame Time/Date Window

3. Choose any of the following actions:
 - To display the current settings for time and date, click **Query**.
 - To change the Current Time, select Current Time and enter the hour, minutes, and seconds in 24-hour notation. For example, 170000.
 - To change the settings for Date Interval or Date Format, specify a new value.
4. When done making changes, click **Apply**.
5. Click **Back** to return to the Main Administration Window.

Alarms Overview

When you establish a connection to a DACS through DACS II View, DACS II View automatically monitors the DACS for alarms.

When a critical, major, or minor alarm occurs, an alarm indicator is lit in the Main Window. The indicator stays lit until all alarms of that severity are cleared.

Alarm messages are displayed in the Alarms Window. This chapter describes the Alarms Window and the Command Log which provides a history of commands.

Monitoring Alarms

Overview This procedure describes how to monitor alarms in both the Active Mode and Alarm Mode.

Before you begin To monitor alarms, you must be connected to the DACS. For details, see “Connecting to the DACS” in Chapter 3.

Procedure When a critical, major, or minor alarm occurs, an alarm indicator is lit in the Main Window. The alarm indicator stays lit until all alarms of that severity are cleared.

To display alarms:

- In Active Connection Mode, select **Alarms** from the menu bar on the Main Window. The Alarms Window displays.
- In Alarm Connection Mode, the Alarms Window displays automatically.

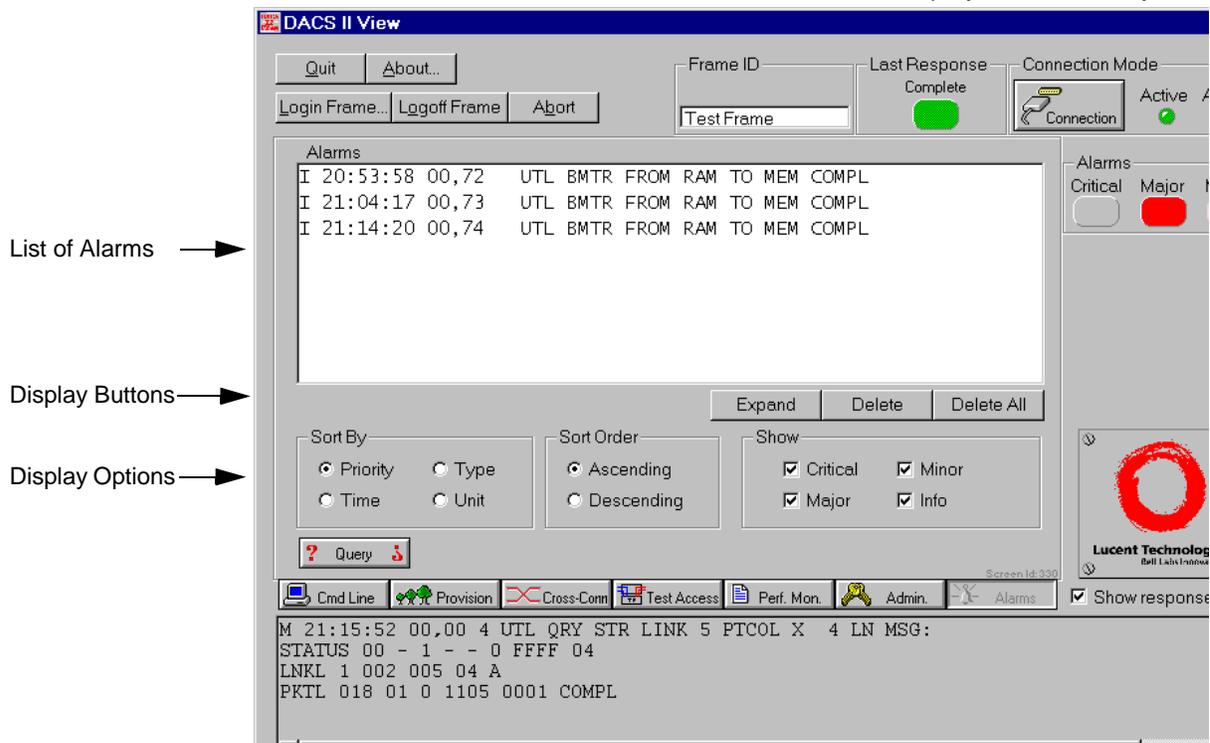


Figure 9-1. Alarms Window

Parts of the Alarm Window

There are three parts to the Alarms Window:

- **List of Alarms:** This area lists all alarms generated while connected to the DACS: critical, major, minor, and informational alarms. The first line of each alarm message is displayed in the alarm list. Alarms are added to the list as they occur, unless you choose to order them differently using the display options. Alarms stay in the alarm list until you delete them or you disconnect from the DACS.
- **Display Buttons:** There are four display buttons:
 - **Query** updates the alarm indicators in the Main Window so that the current alarm status is shown.

Click **Query** to see if there are any existing alarms on the DACS when you first connect. If there are existing alarms, the color indicators in the Main Window will light. Any alarm messages that were generated before you connected through DACS II View will not be displayed.

- **Expand** displays the entire alarm message for a highlighted entry. The following example shows an expanded alarm message.



Figure 9-2. Expanded Alarm Message

- **Delete** removes a highlighted alarm message from the alarm list.
- **Delete All** removes all entries from the alarm list.

Delete and **Delete All** remove entries from the Alarm Window; they do not resolve alarm conditions.

- **Display Options:** These options enable you to change the order and type of alarm displayed.

Clearing Alarms

Overview

To clear an alarm, the DACS connection must be an Active Mode Connection. In Active Mode, you can use the DACS II View menu bar options to help you clear alarms.

Refer to the command log, DACS_LOG.txt for a history of commands executed through DACS II View. See "Displaying the Command Log" for details.

Refer to the DACS documentation for descriptions of DACS commands, troubleshooting procedures, and descriptions of error codes. The DACS documents are listed in "Related Documents" in Chapter 1.

Displaying the Command Log

Log Name and Location

The DACs II View command log, DACS_LOG.txt is kept locally on your PC in the C:\Winnt\Profiles directory.

Accessing the Command Log

An icon automatically appears for DACS_LOG.txt on your desktop after your first connection to a DACS through DACs II View. To access it, double-click it. The file opens in Microsoft Notepad.

Log Contents

For each connection, the log contains:

- a date and time stamp for the start of the connection session
 - a record of each command executed during the connection
 - a date and time stamp for the end of the connection session
-

Log Size

The maximum size of DACS_LOG.txt is 500KB, by default. When the log reaches its maximum size, it is renamed DACS_LOG_OLD.txt and a new DACS_LOG.txt file is started.

To change the maximum size of DACS_LOG.txt, from the Main Window, click on the **Admin** button. Click on **DACS II View Admin**. Change the setting for the Maximum Log File Size, then click **Save Settings**.

The old file, DACS_LOG_OLD.txt, is saved in the C:\Winnt\Profiles directory. If there is an old file already existing, it is overwritten. DACs II View automatically maintains only one old command log.

Cmd Line Option

When to use

Click **Cmd Line** from the menu bar when you want to communicate with the DACS using the DACS command line to enter a DACS PDS command.

Before you begin

In order to access the DACS command line, the connection to the DACS must be an Active Connection Mode.

For information on DACS commands, refer to the books listed in “Related Documents” in Chapter 1.

Using the DACS Command Line

Overview

There are two ways to enter DACS commands from DACS II View:

- Use the one-line user entry field that appears in the Cmd Line Window.
- Click **Show Interactive** in the Cmd Line Window to display the Fully Interactive Command Line Window. The Fully Interactive Command Line Window displays all commands you have entered during the current connection and allows you to enter new ones.

Using the One-Line Command Line

To use the DACS command line:

1. Click **Cmd Line** in the menu bar.

The Cmd Line Window displays.

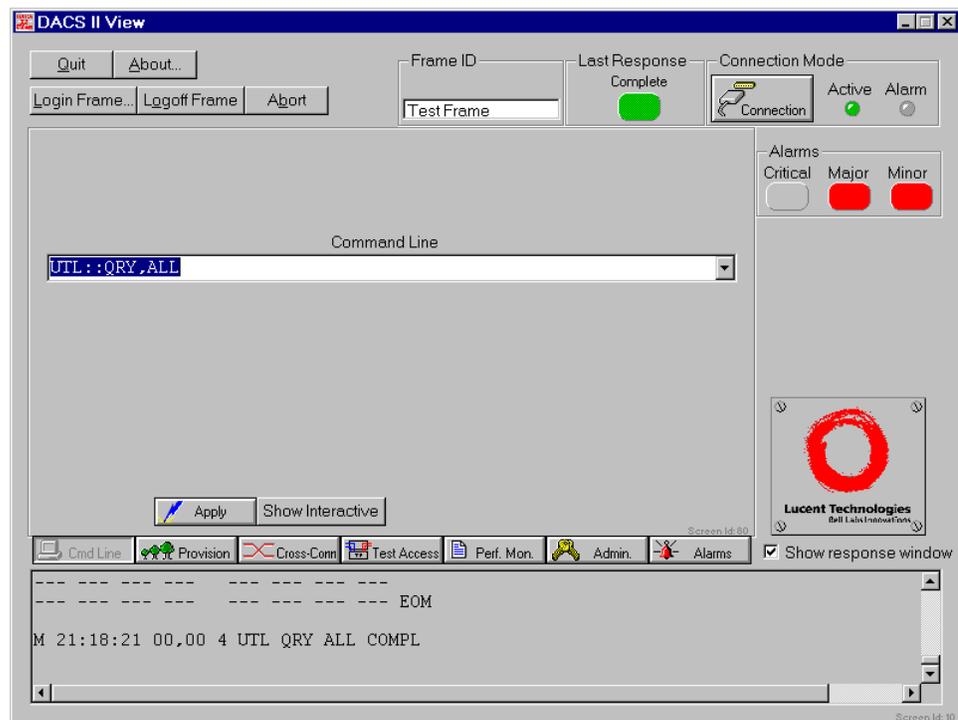


Figure 10-1. Cmd Line Window

2. Enter a command. There are three ways to enter a command:
 - Type in the entire command.
 - Select a command from the pulldown scroll list.
 - Select a command from the pulldown scroll list and edit it to make a new command.

The scroll list initially appears blank. It includes all commands you have entered manually during this connection session. The scroll list is cleared when you disconnect or exit DACs II View.
 3. Click **Apply** or press **Enter** to execute the command.
 4. To exit the Cmd Line Window, select another option from the menu bar.
-

Using the Fully Interactive Command Line

The Fully Interactive Command Line Window displays all commands you have entered during the current connection and allows you to enter new ones. It also provides the ability to cut and paste commands already entered.

To use the Fully Interactive Command Line Window:

1. Click **Cmd Line** in the menu bar.

The Cmd Line Window displays.
2. Click **Show Interactive**.

The Fully Interactive Command Line Window displays.

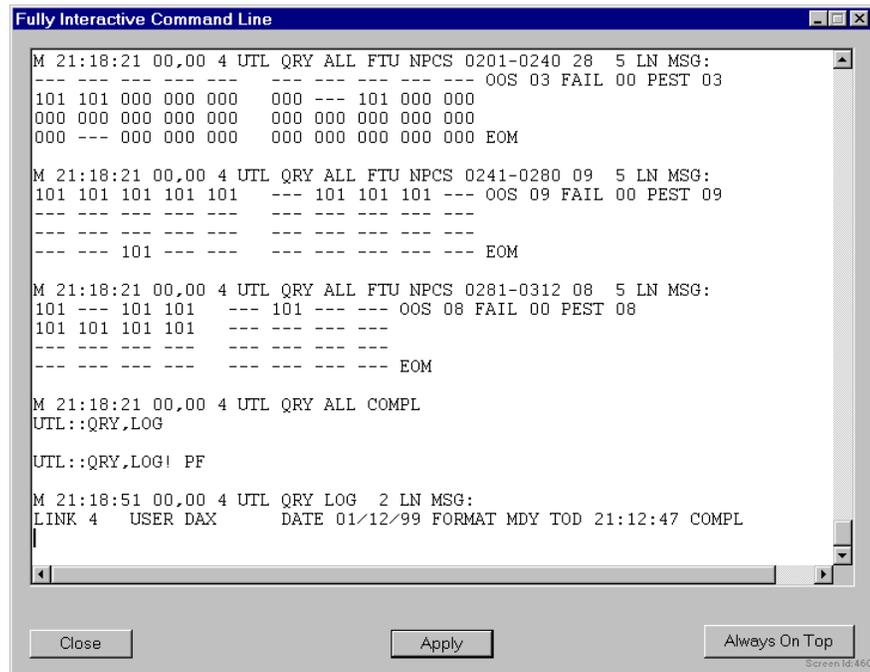


Figure 10-2. Fully Interactive Command Line Window

3. To keep this window visible while you continue to work in the DACS II View Main Window, click **Always On Top**.
4. Enter a command. There are three ways to enter a command:
 - Type in the entire command.
 - Repeat a command already present in the window by copying (Ctrl+C) and pasting (CTRL+V) it where the cursor appears.
 - Copy and paste a command where the cursor appears, then edit it to make a new command.
5. Click **Apply** or press **Enter** to execute a command.
6. To close the Fully Interactive Command Line Window, click **Close** or return to the Cmd Line Window and click **Hide Interactive**.

Troubleshooting Procedures

The following table provides a list of common problems and their solutions.

Problem	Solution
DACS II View software did not install successfully.	Make sure you have enough disk space, at least 10 MB must be available for installation. Make sure you are installing on a PC running Windows NT 4.0. If problem still exists, call Lucent Technologies technical assistance at 1-800-225-4672.
DACS is not responding.	Check the settings for the admin link and the connection. See Chapter 3, "Start Up."
Cannot connect to DACS.	Check the hardware connection and test it. See Chapter 3, "Start Up."
Forgot login.	Call for technical assistance at 1-800-225-4672
All menu options appear shadowed.	You are in Alarm Mode. To change to Active Mode, see "Changing Modes" in Chapter 3, "Start Up."

Problem	Solution
<p>DACS II View switched to Alarm Mode automatically.</p>	<p>When DACS II View is in Active Mode and left idle, it automatically switches to Alarm Mode. Switch modes and enter the DACS II View password.</p> <p>To change the setting for “Timeout to Alarm Mode.” from the Main Window, click Admin. Click DACS II View Admin. Change the setting for “Timeout to Alarm Mode.” Click Save Settings.</p>
<p>Cannot find the window I want.</p>	<p>Select the menu option that you want to go to. Click the Back button to go back one screen. Click the Home button to switch to the first window under that menu option.</p>
<p>NPC color code is gray (unknown).</p>	<p>Click Query to retrieve the hardware status information from the DACS.</p>
<p>An icon called DACS_LOG.txt appears on the desktop.</p>	<p>An icon automatically appears for DACS_LOG.txt on your desktop after your first connection to a DACS through DACS II View. It contains a record of each connection session. For details, see “Displaying the Command Log,” in Chapter 9.</p>
<p>Would like the Lucent Logo removed from the Main Window.</p>	<p>Log in using the established password. From the Main Window, click on the Admin button. Click on DACS II View Admin. Remove the check next to “Display Lucent Logo.” Click Save Settings.</p>

Overview

This section lists the DACS commands that are executed through the DACS II View workspace windows. For details on the commands, refer to the DACS II or the DACS II ISX Command and Message Manual.



NOTE:

Some commands in the following list include brief explanations. Explanations are preceded by a hyphen and are not part of the command. For example, for the entry GRTH::NPC,TYPE - C-bit Timer, the actual command is GRTH::NPC,TYPE.

DACS II Commands

Main Provisioning Window	UTL, QRY, ALL	IITL# 56031
	UTL, QRY, ALMS	IITL# 53111
	UTL, QRY, EQD, COMMON	IITL# 53109

Unit Window	DGRTH, UNIT	IITL# 32211
	GRTH, UNIT, TYPE, CONN	IITL# 31211
	RMV, UNIT, FC	IITL# 33331
	RMV, UNIT, FLI	IITL# 33401
	RMV, UNIT, FMT	IITL# 33411
	RMV, UNIT, UC	IITL# 33311
	RST, UNIT, FC	IITL# 34331
	RST, UNIT, FLI	IITL# 34401
	RST, UNIT, FMT	IITL# 34411
	RST, UNIT, UC	IITL# 34311
	UTL, QRY, ALL	IITL# 56031

FTM Window	DGRTH, UNIT, FTMI	IITL# 32321
	GRTH, UNIT, FTMI, EQL	IITL# 31321
	RMV, UNIT, FTMI, DSPI	IITL# 33321
	RST, UNIT, FTMI, DSPI	IITL# 34321
	UTL, QRY, UNIT, FTMI, EQL	IITL# 53071
	UTL, QRY, UNIT, FTMI, IMP	IITL# 53071

DACS II Commands (Continued)

DS3U Window	RMV,UNIT,MMFG,FRC,INCL	IITL# 33421
	RST,UNIT,MMFG,INCL	IITL# 34421
	UTL::QRY,DS3,BERMT,UNIT 1	IITL# 53221
	UTL::QRY,DS3,LBO	IITL# 53231
<hr/>		
MIU Window	DGRTH,UNIT,MIU	IITL# 32511
	GRTH,UNIT,MIU,TYPE	IITL# 31501
	RMV,UNIT,MIU,INCL	IITL# 33431
	UTL::QRY,EQD,MIUS	IITL# 53201
<hr/>		
MXR Window	DGRTH,UNIT,MXR	IITL# 32501
	GRTH,UNIT,MXR,TYPE,BERM,BERT,LBO	IITL# 31511
<hr/>		
NPC Provisioning Window	DGRTH,NPC	IITL# 32341
	DGRTH,NPC,NPCTG,TGR	IITL# 32401
	DGRTH,NPC,NPCTP,TPR	IITL# 32381
	DGRTH,TG	IITL# 32421
	DGRTH,TP	IITL# 32411
	GRTH,NPC,NPCTG	IITL# 31401
	GRTH,NPC,NPCTP	IITL# 31381
	GRTH,NPC,TYPE	IITL# 31331
	GRTH,NPC,TYPE	IITL# 31351

DACS II Commands (Continued)

NPC Provisioning Window (Continued)	GRTH,NPC,TYPE,OPTS,IW,X	IITL# 31371
	GRTH,NPC,TYPE,OPTS,IW,X,INCL,AIS,INFO	IITL# 31341
	GRTH,NPC,TYPE,OPTS,IW,X,INCL,AIS,INFO	IITL# 31352
	RMV,NPC,SIDE,INCL	IITL# 33351
	RST,NPC,SIDE	IITL# 34351
	UTL,QRV,EQD,COMMON	IITL# 53109
	UTL,QRV,LPBK,NPC	IITL# 53131
	UTL,QRV,NPCTG	IITL# 53091
	UTL,QRV,STATE,NPC	IITL# 56311
	UTL,QRV,STATE,NPC	IITL# 56314

MC Provisioning Window	RMV,MC	IITL# 33001
	RST,MC,MCOND,NOJRNLFRC,CLR,ALL	IITL# 34001

ECCN Provisioning Window	RMV,CCI	IITL# 33251
	RMV,ETSI	IITL# 33261
	RMV,ETSSIS,ECCN,ALL	IITL# 33271
	RMV,SMEM,PMEM	IITL# 33211
	RST,CCI	IITL# 34251
	RST,ETSI	IITL# 34261
	RST,ETSSIS,ECCN,ALL	IITL# 34271
	RST,PMEM,SMEM,CLR,FRC,BKGRND	IITL# 34211

DACS II Commands (Continued)

TLI Window	DGRTH,SYNC,TB	IITL# 32101
	DGRTH,SYNC,TLI,SSP	IITL# 32121
	GRTH,SYNC,TB,TYPE	IITL# 31101
	GRTH,SYNC,TLI,TYPE	IITL# 31111
	GRTH,SYNC,TLI,TYPE,SSP,SRC	IITL# 31121
	RMV,SYNC	IITL# 33101
	RMV,SYNC,TLI,CRO	IITL# 33111
	RMV,SYNC,TLI,SSP	IITL# 33121
	RST,SYNC	IITL# 34101
	RST,SYNC,TLI,CRO	IITL# 34111
	RST,SYNC,TLI,SSP	IITL# 34121
<hr/>		
Main Cross-Connect Window	UTL,QRY,CMAP	IITL# 52011
<hr/>		
Two-Point Cross-Connect Window	OCON,FROM,TO,MPM,CUS,INCL,RDC	IITL# 11121
	OCON,FROM,TO,RDC,CUS,INCL,PRIOUT	IITL# 11101
	OCON,FROM,TO,RDC,CUS,INCL,PRIOUT	IITL# 11131
	ODIS,FROM,TO,INCL,OOS,DCC	IITL# 15102
	ODIS,FROM,TO,INCL,OOS,DCC,PRIOUT	IITL# 15101
	ODIS,FROM,TO,OOS,INCL,PRIOUT	IITL# 15111
	TCON,FROM,TO,AIS,CUS,INCL,RDC,PRIOUT	IITL# 11001
	TCON,FROM,TO,MPM,NTR,RDC,CUS,INCL	IITL# 11021

DACS II Commands (Continued)

Two-Point Cross-Connect Window (Continued)	TCON, FROM, TO, RDC, CUS, INCL, PRIOUT	IITL# 11011
	TDIS, FROM, TO, INCL, OOS, DCC	IITL# 15002
	TDIS, FROM, TO, INCL, OOS, DCC, PRIOUT	IITL# 15001
	TDIS, FROM, TO, OOS, INCL, PRIOUT	IITL# 15011
<hr/>		
Multi-Point Cross-Connect Window	BCON, FROM, TO, NTR, LPD, CONV, CUS, INCL, RDC	IITL# 13002
	BCON, FROM, TO, RDC, CUS, INCL, NTR, LPD, CONV	IITL# 13021
	BCON, FROM, TOX, NTR, LPD, CONV, CUS, INCL	IITL# 13001
	BCON, FROM, TOX, RDC, CUS, INCL, NTR, LPD	IITL# 13011
	BDIS, FROM, TO, CONV, OOS, DCC, INCL	IITL# 15201
	BDIS, FROM, TO, OOS, INCL, CONV	IITL# 15231
	BDIS, FROM, TOX, CONV, OOS, DCC, INCL	IITL# 15211
	BDIS, FROM, TOX, OOS, INCL, CONV	IITL# 15221
<hr/>		
Main Test Access Window	GRTH, TG, NPCTG	IITL# 31421
	GRTH, TP	IITL# 31411
	UTL, QRY, TGS	IITL# 53081
	UTL, QRY, TPS	IITL# 53061
<hr/>		
Test Access Mode Window	TTST, HUB, TO, TG	IITL# 24021
	TTST, HUB, TO, TP	IITL# 24001
	TTST, LPD, TG	IITL# 29021
	TTST, LPD, TP	IITL# 29001

DACS II Commands (Continued)

Test Access Mode Window (Continued)	TTST,MON,TG	IITL# 21031
	TTST,MON,TO,TG	IITL# 21021
	TTST,MON,TO,TP	IITL# 21001
	TTST,RT,DGA,DGB,DGC,DGD,DGP,LLB,TO	IITL# 26101
	TTST,SPL,TG	IITL# 23021
	TTST,SPL,TP	IITL# 23001
	TTST,TGR,TG,OOS	IITL# 27021
	TTST,TLA,NOT,TP	IITL# 25101
	TTST,TLA,TG	IITL# 25121
	TTST,TLR,NOT,TP	IITL# 25501
	TTST,TLR,TG	IITL# 25521
	TTST,TPR,ALL,OOS	IITL# 27002
	TTST,TPR,TP,OOS	IITL# 27001
<hr/>		
Test Access FAD Window	CTST,FAD,AIS,INCL	IITL# 20101
	CTST,FAD,EMODE,FMODE,INCL	IITL# 20111
	CTST,FAD,FROM,TO,AIS,INCL	IITL# 20001
	CTST,HUB,FAD,TO,INCL	IITL# 20031
	CTST,LPBKT,FAD,INCL	IITL# 20301
	CTST,TNR,ALL,OOS	IITL# 20202
	CTST,TNR,FAD,OOS	IITL# 20201

DACS II Commands (Continued)

Performance	CHG,SETOP,TYPE,ALL,NPCOP	IITL# 38201
Monitoring Window	OPR,LPBK,NPC,LOCN	IITL# 26141
	OPR,TSIG,NPC	IITL# 28101
	RLS,LPBK,NPC,LOCN	IITL# 26151
	RLS,TSIG,NPC	IITL# 28201
	UTL,CLR,NPC,ALL,AI,LOCN,MONDAT,MONTIM	IITL# 56071
	UTL,QRY,LPBK,NPC	IITL# 53131
	UTL,QRY,NPC,ALL,AI,LV,LOCN,MONDAT	IITL# 56091
	UTL,QRY,OPT,TYPE,ALL,NPCS	IITL# 53051
	UTL,QRY,PMSCHED,NPC,ALL	IITL# 51151
	UTL,QRY,TOD,CFA	IITL# 51071
	UTL,SCHED,PMREPT,NPC,RI,ST,NI,LV,LOCN	IITL# 51141
	UTL,TOD,CFA,FAC,X,PRIM,MONDAT	IITL# 51011
<hr/>		
Administration	ADD,LINK,K,T1,T3,N2,A,B	IITL# 36003
Window	ADD,LINK,PTCOL,S,X,T,M,BAUD,ALM,BS,ENQ	IITL# 36001
	ADD,LINK,W,P,T20,T22,T23,T25,T26,R20	IITL# 36005
	ADD,USER,LINK,INCL,ALL,LANG,M,P,F	IITL# 36103
	ADD,USER,NEW,PASSWD	IITL# 36101
	CHG,USER,LINK,INCL,SCR,GR,MCON,MCOFF	IITL# 38401
	DLT,USER	IITL# 37101
	LOGIN,USER,PASSWD	IITL# 39001
	LOGOFF,USER,LINK,INCL	IITL# 39101

DACS II Commands (Continued)

Administration Window (Continued)	RMV,LINK	IITL# 33011
	RST,LINK	IITL# 34011
	UTL,QRY,SCR,LINK,USER,LINKS,USERS	IITL# 54001
	UTL,QRY,STR,LINK	IITL# 55113
	ADD,LINK,APPL,ASCS,ASCD,PM,L2AD,POLL	IITL# 36007
<hr/>		
Frame Time/Date Window	UTL,TOD	IITL# 51011
	UTL,DATE,FORMAT,INT	IITL# 51021
	UTL,QRY,DATE	IITL# 51031
<hr/>		
Main Window	ABT	IITL# 55711
	LOGIN,USER,PASSWD	IITL# 39001
	LOGOFF,USER,LINK,INCL	IITL# 39101

DACS II ISX Commands

Main Provisioning Window	UTL::QRY,ALL	IITL# 53101
	UTL::QRY,ALMS	IITL# 53111
	UTL::QRY,EQD	IITL# 53108
	UTL::QRY,NPM	IITL# 53071
<hr/>		
NPM Provisioning/ NPC Window	DGRTH::NPM	IITL# 32321
	GRTH::NPM	IITL# 31321
	UTL::QRY,ALL	IITL# 53101
	UTL::QRY,ALMS	IITL# 53111
	UTL::QRY,EQD,NPCS	IITL# 53041
<hr/>		
LSIU Provisioning/ NPC Window	DGRTH::LSIU	IITL# 32151
	GRTH::LSIU	IITL# 31151
	UTL::QRY,ALL	IITL# 53101
	UTL::QRY,ALMS	IITL# 53111
	UTL::QRY,EQD,NPCS	IITL# 53041
<hr/>		
NPC Provisioning Window	DGRTH::NPC	IITL# 32341
	DGRTH::NPC,NPCTG	IITL# 32401
	DGRTH::NPC,NPCTP	IITL# 32381
	GRTH::NPC,NPCTG	IITL# 31401
	GRTH::NPC,NPCTP	IITL# 31381
	GRTH::NPC,TYPE - C-bit Timer	IITL# 31331

DACS II ISX Commands (Continued)

NPC Provisioning Window (Continued)	GRTH::NPC,TYPE - E1	IITL# 31363
	GRTH::NPC,TYPE - T1	IITL# 31341
	RMV::NPC	IITL#33351
	RST::NPC	IITL#34351
	UTL::QRY,ALMOPT,NPC	IITL# 56021
	UTL::QRY,ALMS	IITL# 53111
	UTL::QRY,LPBK,NPC	IITL# 53131
	UTL::QRY,NPCTG	IITL# 53091
	UTL::QRY,STATE,NPC	IITL# 56314
	UTL::QRY,TPS	IITL# 53061

Provision MC/SXC Window	RMV::MC	IITL# 33001
	RMV::SXC	IITL# 33101
	RST::MC	IITL# 34001
	RST::SXC	IITL# 34101

DACS II ISX Commands (Continued)

Provision TREF/ TLI Window	DGRTH::SYNC,TLI	IITL# 32131
	DGRTH::TREF	IITL# 32121
	GRTH::SYNC,TLI,IMP	IITL# 31111
	GRTH::SYNC,TLI,SSP,TREF	IITL# 31131
	GRTH::TREF	IITL# 31121
	RMV::TLI	IITL# 33131
	RMV::TREF	IITL# 33121
	RST::TLI	IITL# 34131
	RST::TREF	IITL#34121

Main Cross- Connect Window	UTL::QRY,CMAP	IITL# 52011
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Two-Point Cross- Connect Window	OCON::FROM,TO - Unchannelized	IITL# 11131
	OCON::FROM,TO - Channelized	IITL# 11101
	ODIS::FROM,TO - Unchannelized	IITL# 15111
	ODIS::FROM,TO - Channelized	IITL# 15101
	TCON::FROM,TO - Unchannelized	IITL# 11011
	TCON::FROM,TO - Channelized	IITL# 11001
	TCON::FROM,TO,PFW,NFW - TS0	IITL# 11051
	TDIS::FROM,TO - Unchannelized	IITL# 15011
	TDIS::FROM,TO - Channelized	IITL# 15001

DACS II ISX Commands (Continued)

Multi-Point Cross-Connect Window	BCON::FROM,TOX - Channelized	IITL# 13001
	BCON::FROM,TO - Channelized	IITL# 13002
	BCON::FROM,TOX - Unchannelized	IITL# 13011
	BCON::FROM,TO - Unchannelized	IITL#13021
	BDIS::FROM,TO - Unchannelized	IITL# 15231
	BDIS::FROM,TO - Channelized	IITL# 15201
	BDIS::FROM,TOX - Unchannelized	IITL#15221
	BDIS::FROM,TOX - Channelized	IITL# 15211
	CHG::FROM,TO - Unchannelized	IITL# 17011
	CHG::FROM,TO - Channelized	IITL# 17001
<hr/>		
Main Test Access Window	DGRTH::TG	IITL# 32421
	DGRTH::TP	IITL# 32411
	GRTH::TG,NPCTG	IITL# 31421
	GRTH::TP	IITL# 31411
	UTL::QRY,TPS	IITL# 53061

DACS II ISX Commands (Continued)

Test Access Mode Window	TTST::HUB,TO,TG	IITL# 24021
	TTST::HUB,TO,TP,NAM	IITL# 24001
	TTST::LPD,TG	IITL# 29021
	TTST::LPD,TP	IITL# 29001
	TTST::MON,TG	IITL# 21031
	TTST::MON,TO,TG	IITL# 21021
	TTST::MON,TO,TP,NAM	IITL# 21001
	TTST::SPL,TG	IITL# 23021
	TTST::SPL,TP	IITL# 23001
	TTST::TGR,TG,OOS	IITL# 27021
	TTST::TLA,TG	IITL# 25121
	TTST::TLA,TP	IITL# 25101
	TTST::TLR,TG	IITL# 25521
	TTST::TLR ,TP	IITL# 25501
	TTST::TPR,ALL,OOS	IITL# 27002
TTST::TPR,TP,OOS	IITL# 27001	

Test Access FAD Window	CTST::FAD,AIS,INCL	IITL# 20101
	CTST::FAD,EMODE,FMODE,INCL	IITL# 20111
	CTST::FAD,FROM,TO,AIS,INCL	IITL# 20001
	CTST::HUB,FAD,TO,INCL	IITL# 20031
	CTST::LPBKT,FAD,INCL	IITL# 20301

DACS II ISX Commands (Continued)

Test Access FAD Window (Continued)	CTST::TNR,ALL,OOS	IITL# 20202
	CTST::TNR,FAD,OOS	IITL# 20201
<hr/>		
Performance Monitoring Window	CHG,SETOP,TYPE,ALL,NPCOP	IITL# 38201
	OPR,LPBK,NPC,LOCN	IITL# 26141
	OPR,TSIG,NPC	IITL# 28101
	RLS,LPBK,NPC,LOCN	IITL# 26151
	RLS,TSIG,NPC	IITL# 28201
	UTL,CLR,NPC,ALL,AI,LOCN,MONDAT,MONTIM	IITL# 56071
	UTL,QRY,LPBK,NPC	IITL# 53131
	UTL,QRY,NPC,ALL,AI,LV,LOCN,MONDAT	IITL# 56091
	UTL,QRY,OPT,TYPE,ALL,NPCS	IITL# 53051
	UTL,QRY,PMSCHED,NPC,ALL	IITL# 51151
	UTL,QRY,TOD,CFA	IITL# 51071
	UTL,SCHED,PMREPT,NPC,RI,ST,NI,LV,LOCN	IITL# 51141
	UTL,TOD,CFA,FAC,X,PRIM,MONDAT	IITL# 51011
<hr/>		
Administration Window	ADD,LINK,K,T1,T3,N2,A,B	IITL# 36003
	ADD,LINK,PTCOL,S,X,T,M,BAUD,ALM,BS,ENQ	IITL# 36001
	ADD,LINK,W,P,T20,T22,T23,T25,T26,R20	IITL# 36005
	ADD,USER,LINK,INCL,ALL,LANG,M,P,F	IITL# 36103
	ADD,USER,NEW,PASSWD	IITL# 36101
	CHG,USER,LINK,INCL,SCR,GR,MCON,MCOFF	IITL# 38401

DACS II ISX Commands (Continued)

Administration Window (Continued)	DLT,USER	IITL# 37101
	LOGIN,USER,PASSWD	IITL# 39001
	LOGOFF,USER,LINK,INCL	IITL# 39101
	RMV,LINK	IITL# 33011
	RST,LINK	IITL# 34011
	UTL,QRY,SCR,LINK,USER,LINKS,USERS	IITL# 54001
	UTL,QRY,STR,LINK	IITL# 55113
<hr/>		
Frame Time/Date Window	UTL,TOD	IITL# 51011
	UTL,DATE,FORMAT,INT	IITL# 51021
	UTL,QRY,DATE	IITL# 51031
<hr/>		
Main Window	ABT!	IITL# 55711
<hr/>		

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